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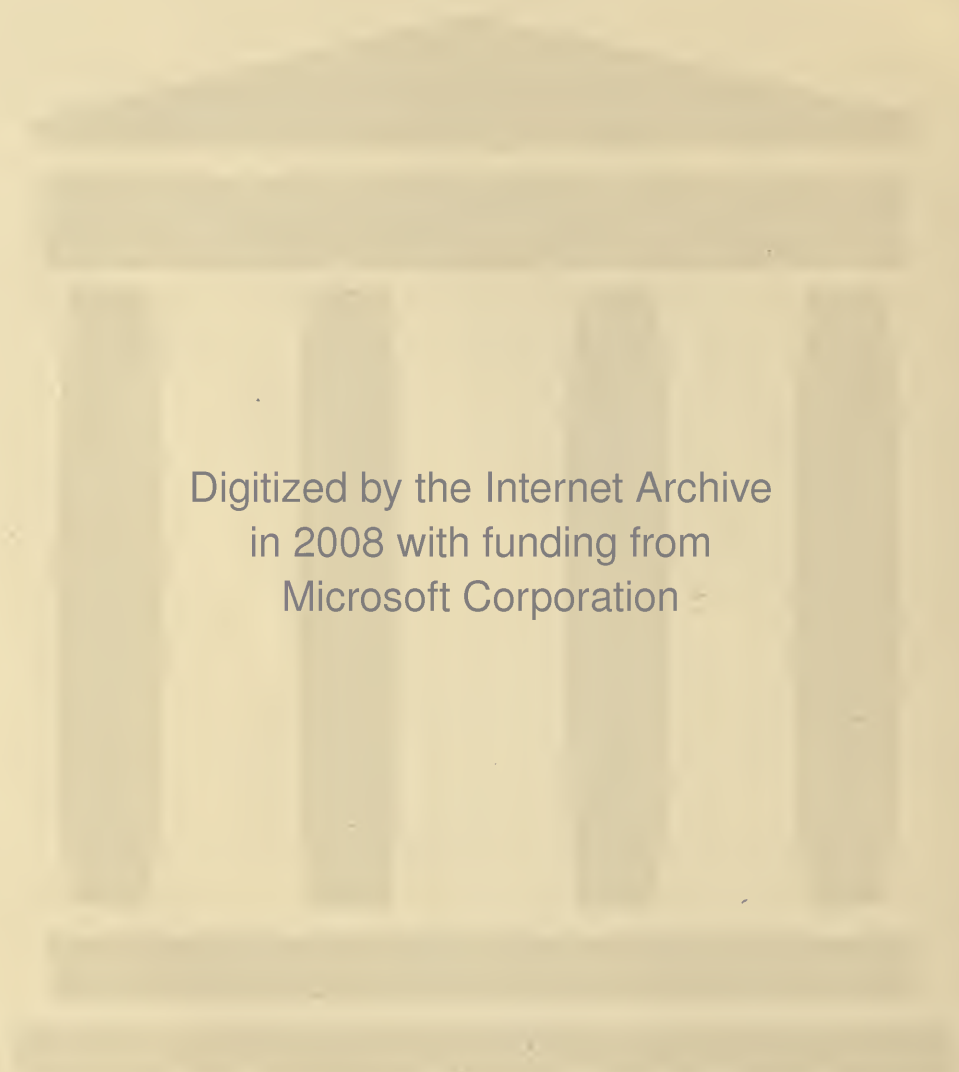
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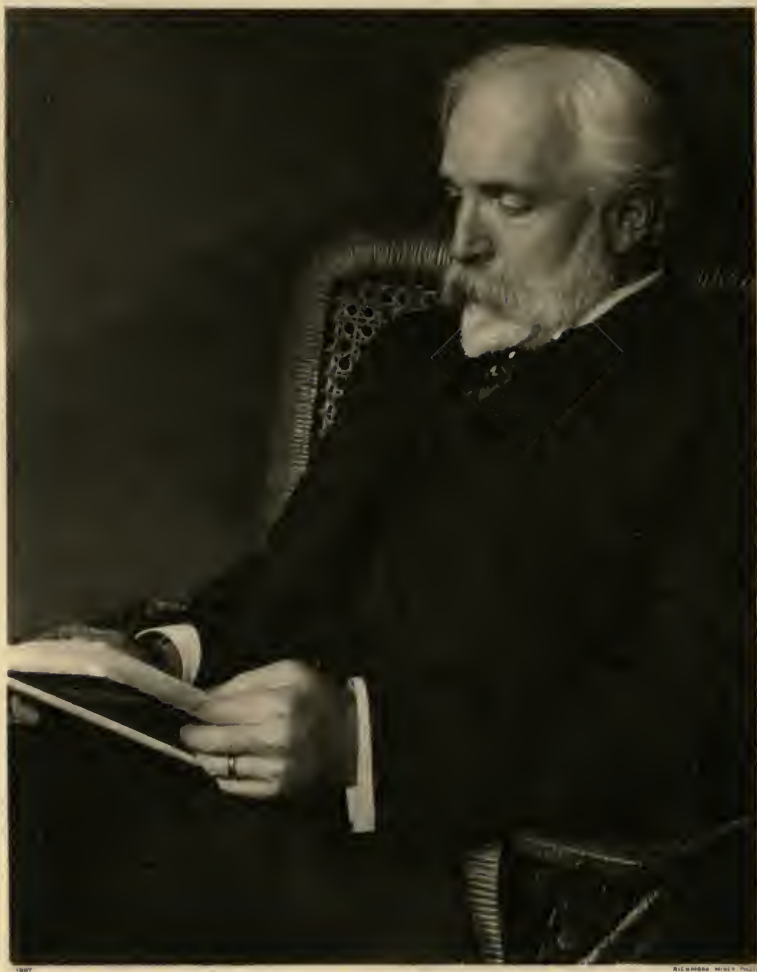


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BERMUDA
IN
PERIODICAL LITERATURE

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Geo Watson Cole.

BERMUDA
IN
PERIODICAL LITERATURE

WITH OCCASIONAL REFERENCES TO
OTHER WORKS

A BIBLIOGRAPHY
BY
GEORGE WATSON COLE



PRINTED FOR THE AUTHOR
1907

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TO

My Wife

WHOSE COMPANIONSHIP
AND INTEREST HAVE MADE POSSIBLE
THESE PAGES



PREFACE

THE list which follows is a reprint, with considerable additions, of two series which have already appeared in The Boston Book Company's quarterly periodical, *Bulletin of Bibliography*. The first or preliminary one of these series may be found in Vol. 1, pp. 52-54 and 74-76. The second, embracing all the items contained in the first, appeared in twenty-six numbers of that periodical, extending from October, 1900 (Vol. 2, No. 5), to January, 1907 (Vol. 4, No. 10). Unless otherwise indicated, all the entries recorded have passed under the eye of the compiler.

By far the greater part of what has been written concerning Bermuda has appeared in various periodicals and the publications of learned societies. These writings may roughly be divided into historical and descriptive, and those relating to natural history. Of history, properly speaking, little has appeared; but many descriptive articles have been written by tourists and others who have visited those beautiful islands. Their geographical situation and subtropical fauna and flora early attracted the attention of those interested in scientific phenomena.

Soon after beginning this work it became apparent to the compiler that the Bermudas have for the past half-century been a favorite field of the zoölogist, botanist, and geologist. Bearing this in mind, a special effort has been made to render the record of their labors as complete as possible. In order to do this, references are made to some works which are not periodicals, mostly, however, by authors who have also made contributions to periodical literature concerning the flora and fauna of those islands.

As early as 1667 Richard Norwood answered several queries sent out by the Royal Society of London, concerning tides and whale-fishing, and the following

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year Richard Stafford answered further queries; their replies being published in the *Philosophical Transactions* of that society. The scientific features do not again attract our attention until 1837, when an article on the geology of Bermuda, by Lieut. Richard J. Nelson, appeared in the *Transactions* of the Geological Society of London.

In looking over this list, the reader will doubtless be struck by the frequent occurrence of the names of John Matthew Jones, Sir John Henry Lefroy, George Brown Goode, and others. The first was the author of *The Naturalist in Bermuda*, a pioneer work in its line, which has not inappropriately been likened to Gilbert White's *Natural History of Selborne*. The contributions of this "worthy naturalist" on various scientific subjects relating to Bermuda, some eighteen or twenty in number, cover the period from 1858 to 1884. Sir John Henry Lefroy, "sometime Governor of the Bermudas" (1871-77), merits the lasting gratitude not only of Bermudians but of every student of history for the very able manner in which he compiled and edited the colonial records of Bermuda. His contributions to Bermudian literature cover a variety of subjects dating from 1872 to 1884. George Brown Goode's writings upon the ichthyology of Bermuda began in 1874 and continued to 1884. In this latter year, these three gentlemen were instrumental in bringing out *Bulletin* No. 25 of the United States National Museum, entitled *Contributions to the Natural History of the Bermudas*, only the first volume of which was published. With this work, in which their names were jointly associated, ended their contributions relative to those islands.

During the spring of 1873 the *Challenger* Expedition visited Bermuda, spending nearly a month in and about the islands. In the final reports of that expedition are some eighty monographs upon zoölogy, in nearly half of which may be found descriptions of various species collected at or near Bermuda. References to these reports have been included in this list.

The establishment of the Bermuda Biological Station for Research and the independent work of Professor Verrill, of Yale University, are the most recent events of scientific interest shown in these islands and have resulted in the production of a number of valuable contributions to scientific literature. The bibliographies appended to Professor Verrill's numerous papers contain

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references to some articles not included in the present work, and may properly be considered as supplementing it.

The compiler desires to acknowledge his indebtedness to all those who have furnished him with titles of articles, many of which, but for their thoughtfulness, he might have overlooked. His attention has been called to several articles too late for insertion in their proper place. One of the most interesting of these, by Professor Verrill, treats of the relations of Bermuda with the colonies during the Revolutionary War. It will appear in the forthcoming volume of the *Transactions* of the Connecticut Academy of Sciences. His thanks are especially due to Prof. Addison E. Verrill, of Yale University; Dr. Marshall A. Howe, of the New York Botanical Garden; Prof. Charles L. Bristol, of New York University; Prof. Edwin L. Mark, of Harvard University; and Mr. J. C. L. Clark, of Lancaster, Massachusetts. He is also indebted for permission to use six of the facsimile title-pages of books printed soon after the colonization of the islands to the courtesy of the owner of the original editions of these very rare works.

To facilitate reference to the numerous articles here recorded a comprehensive index has been appended, in which the several entries under each heading have been so arranged that the subject can be traced continuously back to the earliest article upon that topic.

GEORGE WATSON COLE.

RIVERSIDE, CONNECTICUT,
September 9, 1907.

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RICHARD RICH, <i>Neewes from Virginia</i> ; 1610	Facing p.	40
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SILVESTER JOURDAIN, <i>A Plaine Description of the Barmudas</i> ; 1613	"	p. 92
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*Jeff
Cuthbert*

Bibliography — the reader's guide to the
uncharted seas of literature

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Aa, Pieter van der. De Aanmerkenswaardigste . . . Zee- en Landreizen der Portugeezen, Spanjaarden, [en] Engelsen, . . . Leyden, 1727. folio.

ELLIS, Captain John, and others. Kort Berigt van Mr. Ellis, | . . . | . . . Reys | door de Straat van Magellanes | In 't Jaar 1593. | . . . | . . . | Mitsgaders | Engelse Reysen | na de Bermudas of Summer-Eylanden. | En eerst | Hendrik May's Schip-breuk daar ontrent in 't Jaar 1593. | Beneffens | de Eerste Engelse Volk-Planting Aldaar, | Onder het beleid van Richard Moore, A°. 1612. | [etc.] Deel 5. [no. 11.] 1706. 1 map. As (1)

NOTE.—This is also no. 11 of vol. 1 of *De wytberoemde Voyagien der Engelschen door Johan Lodewyk GOTTFRIED*.

Aa, Pieter van der. Naaukeurige Versameling der . . . Zee- en Land-Reysen, na Oost en West-Indiën, . . . Leyden, 1707. 8°.

ELLIS, Captain John, and others. Kort Berigt van Mr. Ellis, Reys door de Straat van Magellanes In 't Jaar 1593. Mitsgaders Engelse Reysen na de Bermudas of Summer-Eylanden [etc., as above]. Deel 21. [no. 1.] 1706. 1 map. As (2)

Academy of natural sciences. Proceedings. Philadelphia. 8°.

COPE, Edward Drinker. On the reptilia of Sombrero and Bermuda. Vol. 13 (1861), p. 312-314. Yc (3)

NOTE.—Contains a full description of the Bermuda lizard (*Plestiodon longirostris*).

PILSBRY, Henry Augustus. On the helicoid land molluscs of Bermuda. Vol. 40; 3d series, vol. 18, for 1888, p. 285-291. 1 plate. Yc (4)

NOTE.—The species described in this paper are:—*Pacilozonites bermudensis* Pfr., *P. nelsoni* Bland, *P. reinianus* Pfr., and *P. circumfirmatus* Redfield. Reprinted, with additions, in HEILPRIN'S *Bermuda Islands*, p. 191-201.

HEILPRIN, Angelo. Contributions to the natural history of the Bermuda Islands. Vol. 40; 3d series, vol. 18, for 1888, p. 302-328. 3 plates. Yc (5)

NOTE.—Also issued separately. (Compiler's collection.) The following new species are described:—*Holothuria abbreviata*, *Semperia bermudensis*, *Stichopus diaboli*, *S. xanthomela*, *Octopus chromatus*, *Aplysia æquorea*, *Chromodoris zebra*, and *Onchidium* (*Onchidiella*) *trans-Atlanticum*. Reprinted, with additions, in his *Bermuda Islands*, p. 97-105, 136-152, 166-184.

Bermuda in Periodical Literature.

Academy of natural sciences. (Continued.)

PILSBRY, Henry Augustus. New and little-known American molluscs. No. 1. Vol. 41; 3d series, vol. 19, for 1889, p. 81-89. 1 plate. Yc (5a)

NOTE.—The following species from Bermuda are described—*Helix* (*Microphysa*) *hypolepta* Shuttleworth, *Pacillozonites reinianus* Pfr. var *goodei*, n. sp., *P. bermudensis* Pfr.

MARN, Dr. George. A contribution to the knowledge of the spider fauna of the Bermuda Islands. Vol. 41; 3d series, vol. 19, for 1889, p. 98-101. 1 plate. Yc (6)

NOTE.—Twelve species are here enumerated; but one of which was given by Blackwell in 1868. They are as follows:—*Uloborus zosis*, Walck., *Nephila clavipes*, Koch, *Epeira caudata*, Hentz, *E. labyrinthica*, Hentz, *Theridium tepidariorum*, Koch, *Argyrodes nephilæ*, Tacz., *Pholcus tipuloides*, Koch, *Dysdera crocata*, Koch, *Menemerus paykullii*, Aud., *M. melanognathus*, Luc., *Heteropoda venatoria*, Simm., and *Lycosa Atlantica*, nov. spec. Reprinted in HEILPRIN'S *Bermuda Islands*, p. 159-162.

McMURRICH, J. Playfair. A contribution to the actinology of the Bermudas. Vol. 41; 3d series, vol. 19, for 1889, p. 102-126. 2 plates. Yc (7)

NOTE.—Ten species are here described, three of which are new:—*Aiptasia* sp.?, *Oulactis fasciculata* and *Diplactis* gen. nov. *bermudensis*. Reprinted in HEILPRIN'S *Bermuda Islands*, p. 105-135.

BOLLMAN, Charles H. Notes on a small collection of myriapods from the Bermuda Islands. Vol. 41; 3d series, vol. 19, for 1889, p. 127-129. Yc (8)

NOTE.—Four species are described, of which one is new:—*Spirobolus heilprini*. Reprinted in HEILPRIN'S *Bermuda Islands*, p. 162-165.

HEILPRIN, Angelo. On some new species of mollusca from the Bermuda Islands. Vol. 41; 3d series, vol. 19, for 1889, p. 141-142. 1 plate. Yc (9)

NOTE.—Seven species are described in this paper:—*Chama bermudensis*, *Macoma eborea*, *Mysia pellucida*, *Cytherea penistoni*, *Emarginula dentigera*, *E. pileum*, and *Cæcum termes*. Reprinted in his *Bermuda Islands*, p. 188-190.

PILSBRY, Henry Augustus. New and little-known American mollusks. No. 3. Vol. 42; 3d series, vol. 20, for 1890, p. 296-302. 1 plate. Yc (9a)

NOTE.—Contains a description (p. 297-299) of a new and exceptionally large slug from Bermuda, which he calls *Vaginulus Schivelæ*.

IVES, J. E. Crustacea from the northern coast of Yucatan, the harbor of Vera Cruz, the west coast of Florida and the Bermuda Islands. Vol. 43; 3d series, vol. 21, for 1891, p. 176-207. 2 plates. Yc (9b)

NOTE.—"Includes the description of a new Isopod, collected by [Heilprin's] Expedition to the Bermuda Islands in 1888," to which he gives the name *Cymodocea bermudensis*; p. 194-195. The *Cymodocea caudata*, also collected at Bermuda, is described, p. 188-189. Both species are illustrated by figures.

STERI, Dr. V. Observations on Vallonia. Vol. 45; 3d series, vol. 23, for 1893, p. 234-279. Yc (9c)

NOTE.—Mentions, at p. 278, specimens of *Vallonia pulchella* "of somewhat peculiar form," from Bermuda.

BUSH, Katharine Jeanette. Descriptions of new species

Bermuda in Periodical Literature.

of *Turbonilla* of the western Atlantic fauna, with notes on those previously known. Vol. 51; 3d series, vol. 29, for 1899, p. 145-177. 1 plate. Yc (9d)

NOTE.—Two new species, collected by A. Heilprin, at Bermuda, are here described:—*Turbonilla Penistonii* not *T. pulchella* d'Orb. and *T. Heilprini* not *T. pulchella* d'Orb. The following species are also described as having been found at Bermuda:—*Turbonilla asperula* n. sp., *T. pupoides* d'Orbigny, *T. pupoides* var. *ischua* new, *T. fasciata* d'Orb., *T. puncta* C. B. Adams, and *T. leuca*, n. sp.

All the year round. A weekly journal. London. 8°.

MURDER by mistake. *Anon.* Vol. 12 (no. 279, Aug. 27, 1864), p. 66-72. As (10)

NOTE.—A romantic story, the scene of which is laid in Bermuda. See COTTER'S *Sketches of Bermuda*. London, 1828, p. 31-35.

American architect and building news. Boston. folio.

BERMUDA houses; [by a] correspondent of the "N. Y. Times." Vol. 13 (no. 385, May 12, 1883), p. 225-226. As (11)

NOTE.—Describes the quarrying and construction of the soft coral stone which is the universal building material of the islands.

DRYSDALE, W. Trinity Church, Bermuda. Vol. 29 (no. 764, Aug. 16, 1890), p. 103-104. As (12)

American geologist. A monthly journal of geology and allied sciences. Minneapolis. 8°.

FEWKES, Jesse Walter. The origin of the present outlines of the Bermudas. Vol. 5 (no. 2, February, 1890), pp. 88-100. Yc (13)

TARR, Ralph Stockman. Changes of level in the Bermuda Islands. Vol. 19 (no. 5, May, 1897), p. 293-303. 3 plates, with 5 views. Yc (14)

NOTE.—This article was the result of "actual field work of about two weeks in March, 1896, during which time a large portion of the islands were examined." Also issued separately, with same pagination, and a cover title. (Compiler's collection.)

American journal of conchology. Philadelphia. 8°.

BLAND, Thomas. Remarks on the origin and distribution of the Operculated Land Shells . . . of America and the West Indies, with a catalogue of American species. Vol. 2 (no. 1, January 1, 1866), p. 54-63; (no. 2, April 1, 1866), p. 136-143; (no. 4, October 1, 1866), p. 349-370. YH (14a)

NOTE.—The following species are attributed to Bermuda (p. 359-361):—*Helix microdonta*, Desh., *H. ventrosa*, Fer., *Cionella acicula*, Müll.

American journal of science and arts. [Silliman's.] New Haven. 8°.

REDFIELD, William C. Gale or Norther of the Gulf of Mexico in October, 1842. [with running title] Mexican Norther and Bermuda gale of Oct. 1842. 2d series, vol. 1. Poole vol. 51 (no. 2, March, 1846), p. 153-162. 1 chart. Yc (15)

NOTE.—The gale here recorded passed over the Bermudas Oct. 9, 1842. From the chart, these islands appear to have been nearly in the center of its course.

Bermuda in Periodical Literature.

American journal of science and arts. (Continued.)

SCOTT, Andrew. Notes on the Bermuda Islands. 2d series, vol. 24. *Poole* vol. 74 (no. 71, September, 1857), p. 274. YH (16)

NOTE.—Remarks on the geological formation of the Bermudas.

JONES, John Matthew. Recent observations in the Bermudas. 3d series, vol. 4. *Poole* vol. 104 (no. 23, November, 1872), p. 414-416. AS (17)

NOTE.—Reprinted from *Nature*, vol. 6, p. 262.

GOODE, George Brown. Descriptions of two new species of fishes from the Bermuda Islands. 3d series, vol. 8. *Poole* vol. 108 (no. 44, August, 1874), p. 123-125. YH (18)

NOTE.—The two species are the *Diapterus Lefroyi* and *Engaulis cherostomus*.

GOODE, George Brown. A preliminary catalogue of the reptiles, fishes and Leptocardians of the Bermudas, with descriptions of four species of fishes believed to be new. 3d series, vol. 14. *Poole* vol. 114 (no. 82, October, 1877), p. 289-298. AS (19)

NOTE.—Of reptilia the author names five species and of fishes 163 species. The following are the new species described: *Julis nitidissima*, *Belone Jonesii*, *Atherina Harringtonensis* and *Fundulus rhizophoræ*.

GOODE, George Brown. On two Bermuda fishes, mistakenly described as new; by Dr. A. Günther. 3d series, vol. 17. *Poole* vol. 117 (no. 100, April, 1879), p. 340. YH (20)

NOTE.—The article here referred to appeared in the *Annals and magazine of natural history*, vol. 3, 5th series, pp. 150-151.

GEOLOGY (The) of Bermuda.—Professor Wm. N. Rice. 3d series, vol. 29. *Poole* vol. 129 (no. 172, April, 1885), p. 338. YH (21)

NOTE.—A book notice of Professor Rice's valuable monograph on this subject which appeared in *Bulletin no. 25* of the U. S. NATIONAL MUSEUM, pp. 1-32.

AGASSIZ, Alexander. Notes from the Bermudas. 3d series, vol. 47. *Poole* vol. 147 (no. 282, June, 1894), p. 411-416. 7 woodcuts. YH (22)

NOTE.—These notes were afterwards amplified and printed under the title *A visit to the Bermudas in March, 1894*, forming *Bulletin, no. 2*, vol. 26 of the MUSEUM OF COMPARATIVE ZOOLOGY OF HARVARD COLLEGE.

VERRILL, Addison E. Descriptions of [imperfectly known and] new American Actineans, with critical notes on other species. 1 [-3]. Brief contributions to zoölogy from the Museum of Yale College, no. 58 [-60]. 4th series, vol. 6, 7. *Poole* vol. 156 (no. 36, December, 1898), pp. 493-498; vol. 157 (no. 37, January, 1899), pp. 41-50; (no. 38, February, 1899), pp. 143-146. woodcuts. YC (23)

NOTE.—Six Bermuda species are here described of which two are new, while a woodcut of a seventh is given, without text. The two new species are *Actinia Bermudensis* and *A. Bermudensis* var. *ferruginea*.

Bermuda in Periodical Literature.

VERRILL, Addison E. Notes on the geology of the Bermudas. 4th series, vol. 9. *Poole* vol. 159 (no. 53, May, 1900), p. 313-340. 11 illustrations; 1 map. Yc (24)

NOTE.—Also issued separately. "Mostly an abstract from a course of six lectures on the geology and natural history of the Bermudas (illustrated by over 200 lantern slides), delivered at the Lowell Institute in Boston, Nov. and Dec., 1899."—p. 313. A list of the principal works on the geology of Bermuda is given on p. 339-340.

American journal of the medical sciences, The. Philadelphia. 8°.

[LEA, Henry C.] [Notice of the] Sanitary report on the colony of Bermuda, 1872, [etc.; a review]. Vol. 67 (no. 134, new series, April, 1874), p. 504-507. Ym (25)

American museum of natural history. Bulletin. New York. 8°.

BEAN, Tarleton H. Notes upon fishes received at the New York Aquarium, with description of a new species of Snapper from Bermuda. Vol. 10 (article 3, February 25, 1898), p. 45-50. YH (26)

NOTE.—Also issued separately, Feb. 25, 1898. Two Bermuda fish are here described, viz.: *Neomensis hastingsi*, new species, p. 45-47, and *N. synagris* Linnaeus, p. 47-48.

WHITFIELD, Robert Parr. Notice on a new sponge from Bermuda, and of some other forms from the Bahamas. Vol. 14 (article 4, February 26, 1901), p. 47-50. 5 plates. YH (27a)

NOTE.—The new species here described from Bermuda the author names *Siphonochalina stolonifera* Whitf. Also issued as a separate.

American naturalist. An illustrated magazine of natural history. Philadelphia. 8°.

GEOLOGICAL history of the Bermudas. Vol. 31 (no. 368, August, 1897), p. 710. As (27)

NOTE.—A book notice of Mr. Tarr's paper (*American Geologist*, v. 19, p. 293-303), giving his conclusions in regard to the history of these islands as revealed by the rocks.

American state papers. Documents, legislative and executive, of the Congress of the United States; 1815-1822. Class I. Foreign relations. Washington. folio.

GREAT BRITAIN — *Parliament* (1812, July 1). An act to allow British plantation sugar and coffee, imported into Bermuda in British ships, to be exported to the territories of the United States of America, in foreign ships or vessels; and to permit articles, the production of the said United States, to be imported into the said island in foreign ships or vessels. Vol. 4 (1834), p. 411. Yc (28)

NOTE.—This act applies only to the port of St. George. By a subsequent act the port of Hamilton was placed on the same footing.

Bermuda in Periodical Literature.

Annales du Muséum d'histoire naturelle. Paris. 4°.

MICHAUX, François André. Notice sur les Iles Bermudes, et particulièrement sur l'Ile Saint Georges. Vol. 8 (no. 12, 1806) p. 356-364. Y^A (29)

NOTE.—The author visited the Bermudas in April, 1806. "The earliest notice of the vegetation of the islands by a botanist."
—Hemsley.

Annales hydrographiques, recueil d'avis, instruction, documents et mémoires relatifs à l'hydrographie et de la navigation. Paris. 8°.

FAUSSES îles de Bermudes, Les. Vol. 4 (2^e semestre, 1850), p. 332-345. Pa^B (30)

NOTE.—Two letters from the *Washington Daily National Intelligencer*: M. F. Maury, dated Aug. 24, 1850, and Lieut. J. C. Walsh, dated Aug. 15, 1850. At a distance of about 32 miles from the position assigned to the False Bermudas a sounding of 10,420 (1) mètres was made, from which Lieutenant Walsh determines that this fact alone will suffice to prove that they do not exist.

KERHALLET, Charles Philippe de. Description des Iles de Bermudes ou de Somer. Vol. 7 (1^{er} semestre, 1852), p. 205-236. 1 *folded map* and 2 *plates*. Pa^B (31)

CAMBIAGGIO, Capitaine. Renseignements sur les Bermudes. Vol. 27 (2^e trimestre, 1865), p. 289-293. W^L (32)

MELCHIOR, ——. Positions géographiques des points principaux de la Mer des Antilles et des Iles Bermudes. Vol. — (2^e semestre, 1884). Pa^B (33)

NOTE.—Published separately, Paris, 1885. 8°, 46 pp. and cover title-page.

Annals and magazine of natural history. London. 8°.

JONES, John Matthew. Capture of a large species of *Gymnetrus* in the Bermudas [with a short description of the creature]. Vol. 6, 3d series (no. 32, August, 1860), p. 132-134. Y^H (34)

NOTE.—See also ZOOLOGICAL SOCIETY OF LONDON. *Proceedings*. Vol. 28 (1860), p. 185-187. "Here then we have a partial elucidation of the various statements which have at intervals appeared in the columns of the united presses of England and America, emanating from the pens of travellers, and usually headed 'Occurrence of the Great Sea Serpent.'"

BLACKWELL, John. Notice of several species of spiders supposed to be new or little known to arachnologists. Vol. 2, 4th series (no. 12, December, 1868), pp. 403-410. Y^H (35)

NOTE.—Six Bermuda species are enumerated and described, two of which are new:—*Salticus diversus* and *Thomisus pallens*.

WILLEMOES-SUHM, Rudolf von. On a land-nemertean found in the Bermudas. Vol. 13, 4th series (no. 78, June, 1874), p. 409-411. 1 *plate*. Bnt (36)

GÜNTHER, Albert Charles Lewis Gotthilf. Descriptions of new species of fishes in the British Museum. Vol. 14, 4th series (no. 83, November, 1874), p. 368-371; (no. 84, December, 1874), pp. 453-455. Y^H (37)

NOTE.—Two species, sent by J. Matthew Jones, from the Bermudas, are here described:—*Fundulus Bermudæ*, p. 370-371 and *Syngnathus Jonesii*, p. 455.

Bermuda in Periodical Literature.

GÜNTHER, Dr. Albert Charles Lewis Gotthilf. On two new species of fishes from the Bermudas. Vol. 3, 5th series (no. 14, February, 1879), p. 150-151. Y^A (38)
NOTE.—See the next entry.

GÜNTHER, Albert Charles Lewis Gotthilf. Note on two Bermuda fishes recently described as new. Vol. 3, 5th series (no. 17, May, 1879), p. 389-390. Y^H (39)

NOTE.—The two fishes were named by Günther *Gerres Jonesii* and *Belone Jonesii*. To the first of these Mr. Goode claimed to have previously given the name *Diapterus Lefroyii*. By a fortunate circumstance both of them had given the same name to the second species. See AMER. JOUR. OF SCI. vol. 117 (1879), p. 340.

BUTLER, Arthur G. The Lepidoptera collected during the recent expedition of H. M. S. "Challenger."—Part II. Vol. 13, 5th series (no. 75, March, 1884), p. 183-203. Y^H (40)

NOTE.—"The collections from St. Thomas and Bermuda being from the New World, are here treated separately [p. 183-188] from those of the other islands." Nine species are enumerated from Bermuda:—*Charocampa tersa*, *Leucania antica*, *Laphygma macra*, *Perigea subaurea*, *Plusia ou*, *Remigia marcida*, *Thermesia monstratura*, *Margaronia jairusalis*, and *Stenopteryx hybridalis*. See also CHALL. EXPED. Report. Narrative, vol. 1, pt. 1, p. 148.

KIRBY, William Forsell. On the Hymenoptera collected during the recent expedition of H. M. S. "Challenger." Vol. 13, 5th series (no. 77, May, 1884), p. 402-413. Y^C (40a)

NOTE.—Three species are recorded from Bermuda:—*Formica nigra*, Linn. (p. 404), *Polistes perplexus*, Cress. (p. 410), *Apis mellifica*, Linn. (p. 413).

HOYLE, William E. Diagnosis of new species of Cephalopoda collected during the cruise of H. M. S. "Challenger." Part 1. The Octopoda. Vol. 15, 5th series (no. 87, March, 1885), p. 222-236. Y^C (40b)

Note.—One species, a new one, is reported from Bermuda: *Octopus bermudensis* (p. 228-229).

POCOCK, Reginald Innes. Report on the Myriopoda of the "Challenger" Expedition, with remarks upon the fauna of Bermuda. Vol. 11, 6th series (no. 62, February, 1893), p. 121-142. Y^C (40c)

NOTE.—Seven species are ascribed to Bermuda, two of which are new:—*Scutigera coleoptrata*, Linn., *Lithobius provocator*, Pocock, *L. bermudensis*, sp. n.(?), *Strongylosoma coarctatum*, Sauss., *S. Guérinii*, Gervais, *Iulus Moreleti*, Lucas, and *Spirobolus monilicornis*, Porath.

Annual register, The. [Dodsley's.] A review of public events at home and abroad. London. 8°.

[ACCOUNT of the Bermudas.] Vol. [35] (for 1793), p. 432. Y^C (40d)

NOTE.—From Bryan EDWARDS *History . . . of British Colonies in W. I.* Earlier numbers of the Annual Register contain notices of the Bermudas, viz:—negro conspiracy, 1762, p. [76]; earthquake, 1765, p. [77]; apprehensions of starving, 1775, p. 140; plundering powder magazine in Bermuda, 1776, p. 34; Public money embezzled, 1811, p. 135-136.

Bermuda in Periodical Literature.

Annual register, The. (*Continued.*)

LAUNCHING of the Bermuda floating dock. Vol. [110]
(for 1868, pt. 2), p. 113-114. As (41)

BERMUDA. Vol. for 1897, p. 402. Yc (41a)

NOTE.—Statistics.

Appleton's journal of literature, science, and art. New York. 8°.

BERMUDA floating dock. *Anon.* Vol. 4 (no. 68, July 16, 1870), p. 83-84. 1 woodcut. Yc (42)

[BENJAMIN, Samuel Green Wheeler.] A trip to the Bermudas. New series, vol. 3 (no. [6], December, 1877), pp. 519-523. Yc (43)

Arber, Edward, editor. An English garner. Ingatherings from our history and literature. Birmingham. 8°.

S[HARPE], E. BRITAINES BVSSSE. | OR | A COM-
PVTATION | *as well of the Charge of a Buffe or*
Herr- | ring-Fishing Ship. As also of the gaine and
profit thereby. | LONDON, 1615. Vol. 3 (1880),
p. 621-656. Yc (44)

NOTE.—The Hollanders called their herring vessels Busses. This tract was written to encourage the herring fishery and the construction of such vessels among the English. "And for all the great and pitiful waite of our English VVoods, yet will England afford Timber & Plank enough for many Buffes; but (to spare England a while) *Ireland* will yeeld vs Buffes enough besides many other good Shippes, if need be; and *Scotland* will help vs, with Masts, but if we would spare fo neare home, we may help ourselues out of *Virginia* and Sommer-Islands [Bermuda]."—p. 651. Collation from the original volume in the British Museum.

Arber, Edward, editor. The first three English books on America. [? 1511]-1555 A.D. Birmingham. 4°.

OVEDO Y VALDÉS, Gonzalo Fernandez de. The natural history of the West Indies. First printed in 1526. Third book, section 2 (1885), p. 205-242. As (45)

NOTE.—This third English book on America; also, the first English collection of voyages, was translated by Richard Eden and published at London in 1555.

Oviedo is the first writer, so far as at present known, who mentions the Bermudas, nay more, he speaks from personal knowledge, having visited the islands. In 1515 he tells us he anchored in four fathoms of water within gun-shot of the islands, intending to "leave in the Ilande certayne hogges for increafe." He left without carrying out his purpose, being prevented by contrary winds from approaching any nearer the shore.

Arber, Edward, editor. The English scholar's library of old and modern works. Birmingham. 8°. Yc (45a)

SMITH, Captain John. Works; 1608-1631. No. 16 (1884).

NOTE.—The generall historie of the Bermudas; being the fifth book of his Generall historie of Virginia, p. 623-688. The proceedings and present estate of the Summer Isles; 1624-1629; being chapter 22 of his True travels [etc.], p. 889-890. For further references consult index under headings *Bermuda* and *Somers Isles*. Yc (45b).

SMITH, Captain John. Works; 1608-1631. No. 16 (1895). 2 vols. paged continuously. (45c)

NOTE.—Same as above.



Bermuda in Periodical Literature.

Archæologia ; or, Miscellaneous tracts relating to antiquity. Published by the Society of Antiquaries of London. London. 4^o.

PEGGE, Samuel. The question considered, whether England formerly produced any wine from grapes. Vol. 3 (1775), p. 53-66. Yc (46)

NOTE.—"Mr. Gordon will tell you that affarting of lands and cutting down timber occasioned barrenness in respect of fruit at Bermudas, where the fall of the cedars, which formerly sheltered their fruit from hurtful winds is now the cause of its being continually blasted; inasmuch that they have none of those fine oranges and other fruits described by the poet [Waller] in his *Battel of the Sommer Islands*."—p. 56.

LEFROY, Sir John Henry. On the constitutional history of the Bermudas the oldest remaining British plantation. Communicated to the Society of Antiquaries. Vol. 47 (Part I, 1883), p. 65-82. YA (47)

NOTE.—The writer was governor of the Bermudas from 1871 to 1877. Also published separately, Westminster, 1881. 4^o, [ii] + 18 pp. and cover. (Lenox Library.)

Archæological journal. London. 8^o.

WAY, Albert. The silver oar, the symbol and insignia of certain usages of maritime jurisdiction. Vol. 30 (no. 117, March, 1873), p. 91-95. 1 woodcut. YM (48)

NOTE.—The silver oar is placed before the admiralty judge when holding court, in the same manner that the mace is laid before the Lord Chancellor. This silver oar, provided by Governor Bennet in 1701, was exhibited at a loan collection of plate and other objects, at Bermuda, in 1872.

LEFROY, Sir John Henry. [Objects saved from the wreck of the "Charlotte," at Bermuda, March 7, 1873.] Vol. 30 (no. 119, September, 1873), p. 290-291. YM (49)

LEFROY, Sir John Henry. Witchcraft in the Somers Islands. Vol. 32 (nos. 125 and 126, March and June, 1875), p. 89-101, 239-248. YM (50)

NOTE.—Original documents, the greater part of which afterwards appeared as appendix X., in his *Memorials*, vol. 2, p. 601-633. Also separately printed with new paging in two parts, p. 1-13 and 1-10, but without title-page. (N. Y. Hist. Soc. Library.)

Argosy, The. London. 8^o.

VISIT, A, to Walsingham Caves [Bermuda]. *Anon.* Vol. 12 (no. 4, Oct. 1, 1871), p. 311-315. AS (51)

Around the world. New York. 8^o.

BERMUDA Islands, The, and the wonders of their coral reefs. *Anon.* Vol. 1 (no. 2, Jan., 1894), p. 35-39. 3 illustrations. JF (52)

Asiatic society of Japan. Transactions. Tōkyō. 8^o.

BELKNAP, Rear-Admiral George Eugene. The depth of the Pacific off the coast of Japan, with a comparison of other oceanic depths. Vol. 19 (1891) p. 1-15. 1 map. YA (53)

NOTE.—Also issued separately. 8vo. 15 pp. 1 map. (N. Y. State Lib.) The *Tuscarora* got a sounding off the coast of Japan of 4,655 fathoms. The *Blake*, 70 miles north of Puerto

Bermuda in Periodical Literature.

Asiatic society of Japan. (*Continued.*)

Rico, one of 4,561 fathoms. "Less than 40 miles west of Bermuda a depth of 2,650 fathoms has been measured."

"Now taking the deepest cast of 4,655 fathoms [off Japan], or 27,930 feet, which is something more than five and a quarter statute miles—the deepest water yet found—its marvellous character will be more vividly apprehended if we consider the fact that could the great mountain of Japan—the noble Fujiyama—be slid off into this deep basin, another mountain of like mass and height might be piled on top of its peaks, and yet its double height would be nearly two-thirds of a mile under water."—p. 5.

Athenæum (The) journal of literature, science, the fine arts, and the drama. London. 4°.

VOYAGE (The) of the "Challenger": the Atlantic . . . By Sir C. Wyville Thomson. 1877, pt. 2 (no. 2614, December 1, 1877), p. 701-703. Yc (54)

NOTE.—A review of the work with the above title. "The deepest hole in the Atlantic lies just north of the Virgin Islands. It has a depth of 3,875 fathoms [23,250 feet or 4.4 miles.] Whilst the Bermudas stand up as an isolated peak from the ocean bed, the Azores are projections from the summit of the meridional ridge."—p. 702.

Atlantic monthly. A magazine of literature, science, art, and politics. Boston and New York. 8°.

[CLEMENS, Samuel Langhorne.] Some rambling notes of an idle excursion. [By Mark Twain.] Vol. 40 (no. 240, October, 1877), p. 443-447; (no. 241, November, 1877), p. 586-592; no. 242, December, 1877), p. 718-724; vol. 41 (no. 243, January, 1878), p. 12-19. Yc (55)

NOTE.—This lacks "The invalid's story" afterwards added to these notes when they appeared in book form in the author's "The stolen white elephant, etc." (Bost., 1882). (N. Y. Mercantile Library.) This article appeared simultaneously in the *Atlantic Monthly*, *Belgravia*, and the *Canadian Monthly*.

DORR, Mrs. Julia Caroline (Ripley). Bermudian days. Vol. 52 (no. 314, Dec., 1883), p. 778-791. Yc (56)

NOTE.—This article was afterwards incorporated with the pages of her *Bermuda. An idyl of the Summer Islands*, published the following year.

Atlas geographicus; or, a Compleat system of geography, (ancient and modern) for America. London. 4°.

BERMUDAS, or Summer Islands. Vol. 5 (1717), p. 684-687. 1 map. Yc (57)

NOTE.—On page 686 among other topics treated is that of the *libraries* of Bermuda.

Atlas maritimus et commercialis; or a General view of the world. London. folio.

BERMUDAS Islands. Vol. 1 (1728), p. 307-309. 1 map. BnL (58)

NOTE.—Of this work, there are two volumes, usually bound in one, the second volume bearing the title: *General coasting pilot* . . . with a sett of sea-charts . . . the greater part according to a new globular projection . . . The use of the projection justified by Dr. Halley. . . . To which are prefix'd Directions to mariners, by Nathaniel Cutler."

SAILING directions for the Iflands of Bermudas. Vol. 2 (1728), p. 135. 1 map. BnL (58a)

Bermuda in Periodical Literature.

Aungervyle society. Reprints. Edinburgh. 8°.

JOURDAN, Silvester. A discovery of the Bermudas: otherwise called the Ile of Divels [*etc.*]. London: 1610. Second series (no. 15-16, March and April, 1884), p. 273-284. As (59)

NOTE.--Whole number 27 and 28. Separately paged at top (p. 1-12) with continuous paging of second series, at bottom of page. Pages 273-283 or 1-10, appeared in the March number, and p. 283-284 or p. 11-12, in the April number. It is probable that Shakespeare was acquainted with this narrative and made use of it in *The Tempest*.

Ausland, Das. Stuttgart and München. folio.

BERMUDA. Anon. [Vol. 35, pt. 1] (Nr. 12, 19 März, 1862), p. 283-287. Yc (60)

BERMUDAS-INSELN, Die. Anon. [Vol. 41, pt. 2] (Nr. 43, 22 October, 1868), p. 1025-1026. Yc (61)

BESUCH (Ein) auf Bermuda. [signed C. J.] [Vol. 59] (Nr. 14, 4 April, 1886), p. 270-274. Yc (62)

BERMUDA-INSELN, Die. [Vol. 60] (Nr. 46, 14 Nov., 1887), p. 905-910. Yc (63)

Badminton magazine of sports and pastimes. London. 8°.

ELDRED, Charles E. Bermuda dingey racing. Vol. 6 (no. 33, April, 1898), p. 422-427. 5 illustrations. Ym (64)

NOTE.--The dingey is a small boat rigged with an astonishingly large amount of canvas and spars when engaged in racing.

Bartram, John Tavenier. Catalogue of birds and shells found in Bermuda, now in the collection of John T. Bartram, Stock's Point, St. George's. [St. George's], Bermuda, [1875]. 16°. ii + 9 + [i] + 3 pp. Hb (65)

NOTE.--Mr. Bartram was an enthusiastic self-taught naturalist and collector. This catalogue gives 289 species of birds as determined by Lieut. Saville G. Reid and 149 of shells, the major part of the names being given by Prof. J. J. Rein, of Frankfort, Germany. In the Bermuda Library, at Hamilton, is preserved Mr. Bartram's Descriptive Catalogue of Bermuda shells. It is an autograph MS. copy written on 28 sheets of paper (31.1 x 19.8 cm. in size), which bear evidence of having been once bound in a blank book. It enumerates and describes 149 varieties of shells, and is closely and legibly written, containing about 35 lines to the page.

Bay state monthly; a Massachusetts magazine. Boston. 8°.

STARK, James H. Early history of the Bermuda Islands [1515-1784]. Vol. 2 (no. 5, Feb., 1885), p. 277-295. 9 woodcuts; 1 facsimile autograph; 1 map. As (66)

NOTE.--Identically the same article that appeared in the "Granite monthly." See below.

Belgravia. London. 8°.

CLEMENS, Samuel Langhorne. Some random notes of an idle excursion. By Mark Twain. Vol. 33 (no. 132, Oct., 1877), p. 464-470; vol. 34 (nos. 133-135, Nov., Dec., 1877, Jan. 1878), p. 49-58, 183-191, 345-354. As (67)

NOTE.--An excellent description of the royal palms at Pembroke Hall is given at p. 349 of vol. 34.

Bermuda in Periodical Literature.

Bermuda pocket almanack. Hamilton. 16°.

NOTE.—The following entries (nos. 68-107) are taken from the file of Almanacks in the compiler's possession.

GARDENER'S (The) calendar. 1844, p. 35. (68)

NOTE.—Revised and corrected by a practical agriculturist and reprinted, with additions, yearly to date. This was the first issue of the Almanack. It contains 36 pp. and cover title-page.

TABLE of precedence; [with] Queen's order for colonial uniforms. 1847, p. 40-41. (68a)

LIST of Governors and Commanders-in-Chief subsequent to the dissolution of the Bermuda Company; 1687-1846. 1847, p. 46-47. (68b)

ACT [of the Imperial Parliament] to amend the laws in force for the encouragement of British shipbuilding and navigation; 26th June, 1849. 1850, p. 44-51. (68c)

WILLIAMS, William Frith. Geological description—supposed source of fresh water—climate. From [his] History of Bermuda. 1850, p. 60-64. (68d)

[HURDIS, John L.] Birds of Bermuda. 1850, p. 65-68. (68e)

NOTE.—The first published list of Bermuda birds, containing 114 species, with scientific and popular names, arranged by classes according to Audubon's synopsis of the birds of North America; published in 1839. In addition 12 species are given as doubtful. Reprinted in 1851, p. 65-68, with additions, the list being increased to 124 species and 11 given as "doubtful." It appeared again in 1853, p. 56-59, this time increased to 130 species and eleven classed as "doubtful." This latter list was dated at "Hamilton, November 18, 1852.

BERMUDAS or Somers' Islands (The). [Collected from various sources.] 1851, p. 45-52. (68f)

PRIME, Temple. List of shells and corals collected at Bermuda, by Temple Prince, L.L.B. (*sic*) of New York. 1852. 1853, p. 55. (68g)

NOTE.—This list includes 12 species of land shells, 44 of marine shells, and 6 of corals. Six new species of land shells are named by the author:—*Helix Sancta Georgiensis*; *Helix Somersettii*; *Bulimus Sandysti*; *Pupa Bermudensis* and *Succinea Bermudensis*. Two new species of marine shells are given:—*Cerithium Bermudensis* and *Truncatella aurea*.

BERMUDAS, or Summers' Islands (The). Places, objects, and facts, principally worthy the notice of visitors. 1854, p. 53-56. (68h)

NOTE.—Taken from an anonymous pamphlet of the same title. Gives, among other information, list of 10 native birds.

WAR services of military officers in Bermuda. 1861, p. 24-25. (68i)

NOTE.—Reprinted and continued yearly to date.

CHIEF JUSTICES of Bermuda [and] Attorney Generals, from 1700 to 1861. 1862, p. 69. (68k)

BERMUDAS. 1866, p. 69-70. (68l)

NOTE.—From Colonial List; 1865.

NAMES of the different species of fishes in and around Bermuda. 1866, p. 73-74. (68m)

NOTE.—Gives the common names, only, of 114 varieties of fish and of 29 shell fish.

Bermuda in Periodical Literature.

ELECTRIC [military] telegraph (The). 1867, p. 41*-42.*

(68n)

NOTE.—The line between St. George's and Mt. Langton was constructed in 1866, these two offices being opened in July of that year. Reprinted with additions yearly.

REIN, J. J. Bermuda shells. 1867, p. 75-77. (68o)

NOTE.—Gives scientific names of 135 species of the 156 specimens presented to the Museum in Hamilton, by Governor Ord. The shells were determined by Dr. J. J. Rein.

TABLE of precedence [of colonial officers]. From rules and regulations for Her Majesty's colonial service. July, 1867. 1869, p. 87-88. (68p)

DESCRIPTION of the Bermuda floating dock. 1872, p. 49-50. (69)

NOTE.—This famous dock is 381 feet long, 124 wide, and 75 in depth, and has a displacement of upwards of 18,000 tons.

Longbird Island causeway. 1872, p. 83-84. (70)

NOTE.—This causeway, finished in 1871 at an expense of £28,000, was built to connect St. George's with the main island of Bermuda. The west end was totally destroyed by the hurricane of Sept. 12, 1899. It is expected that it will be re-constructed by the end of next year (1901).

HURRICANES; with nautical directions for avoiding and manoeuvring in them. Written . . . by an experienced nautical gentleman. 1874, p. 55-56. (71)

NOTE.—Reprinted yearly, with few exceptions, from 1874-95.

DEPTH and conformation of the Atlantic bed between the coast of Europe, via Teneriffe, St. Thomas, Bermuda, Sandy Hook, U.S., and Halifax, N.S. 1874, p. 57-58. (72)

NOTE.—A summary of the observations of the "Challenger" Expedition. Reprinted in 1877 and 1879.

JONES, John Matthew. The Bermudas. 1874, p. 58-60. (73)

NOTE.—"Brief but interesting account of the structure of the islands forming the Bermudas, from his pamphlet on the *Botany of Bermuda*, published in Halifax, N. S., in October, 1873." This is followed by a short extract from Sir C. Wyville Thomson's paper in *Nature* for July 13, 1873.

BERMUDA itinerary. 1875, p. 97-104; 121-124. (74)

NOTE.—A ten days' itinerary for the tourist. Reprinted from 1875-1878 inclusive.

BARTRAM, John Tavenier. Catalogue of sea and land shells, found at the eastern end of Bermuda (chiefly in Castle Harbour), and are, with the exception of two, in the [author's] possession, and is the work of 30 years. 1876, p. 113-114. (75)

NOTE.—One hundred and fifty species are here enumerated. Reprinted in the Almanack for 1877, p. 95-96.

DENISON, Lieut. H. Birds of Bermuda. 1876, p. 115-119. (76)

NOTE.—"There are supposed to be 283 species of birds that visit Bermuda: in the accompanying list, the names of 173 are given; 117 of the species named are in the collection of Mr. John T. Bartram, Stocks Point, St. George's." Reprinted, with additions, as follows:—1877, p. 97-101, with 173 species—1878, p. 108-112, with 181 species—1879, p. 109-113 and 1881, p. 127-131, with 183 species.

Bermuda in Periodical Literature.

Bermuda pocket almanack. (*Continued.*)

LIST of the quantity of lands in islands of Bermuda, distinguished in R. Norwood's Book of survey, 1663, under the head of "General Lands." 1876, p. 119-120. (77)

NOTE.—The total amounts to 12,378 acres, about 773 of which are the property of the Imperial Government. According to the census of 1891, 2,422 acres were under cultivation.

NAMES of the streets in the town of Hamilton. 1877. p. 41. (78)

NOTE.—The town of Hamilton was made a city by act of legislature, passed Dec. 12, 1897. It covers 140 acres and in 1891 had a population of 1,854.

GOODE, George Brown. Catalogue of the fishes of Bermuda [also] Additional species observed by Mr. J. Matthew Jones. 1877, p. 101-103. (79)

NOTE.—This is a reprint of the lists, arranged by places, contained on p. 13-15 and 75-76 of the author's catalogue, printed as *Bulletin No. 5* of the U.S. NATIONAL MUSEUM.

GOODE, George Brown. Catalogue of the fishes, etc., of Bermuda. 1878, p. 97-103. (80)

NOTE.—A systematic arrangement by classes, sub-classes, etc. Reprinted in 1879, p. 97-103 and again in 1881, p. 116-122. This list first appeared in the supplementary sheet to the Bermuda Royal Gazette of May 1, 1887, columns 2-4. It was afterwards separately printed with the title: "Provisional catalogue of the fishes of Bermuda." See entry below under the author's name.

BARTRAM, John Tavenier. Sea and land shells of Bermuda. 1878, p. 105-108. (81)

NOTE.—This list contains 230 species, arranged as follows:—univalves, 1-110; bivalves, 111-183; multivalves, 184-188; cirrhopoda, 189-192; annelidæ, 193-203; echinidæ, 204-212; land shells, 213-230. All these shells with one exception were in the author's collection.

HINSON, Dr. H. J. Catalogue of plants growing in Bermuda, both wild and cultivated, collected from a list in the Public Library, compiled by Sir John H. Lefroy, and other sources. 1878, p. 113-126. (82)

NOTE.—Arranged in parallel columns giving genera, species, and habitat; the genera being given in alphabetical order. This list does not profess to contain all the plants growing wild in the islands. Reprinted, with slight additions, in 1879, p. 114-127 and in 1881, p. 132-145.

BARTRAM, John Tavenier. Sea and land shells of Bermuda. 1879, p. 105-109. (83)

NOTE.—List increased to 269 species:—univalves, 1-152; land shells, 153-172; bivalves, 173-255; cirrhopoda, 256-259; echinidæ, 260-269. Reprinted in 1881, p. 123-127.

BERMUDA, descriptive, historical and scientific. 1879, p. 145-172. (84)

NOTE. I.—Descriptive, p. 145-167. II.—Historical, p. 167-171. III.—Scientific, p. 171-172.

TOURIST'S (The) handy guide to Bermuda, specially prepared for the Bermuda Almanack; 1881. 1881, p. 49-115. (85)

NOTE.—Reprinted yearly, with corrections, additions, and changes, until 1886, when its title was changed to *Bermuda generally*. *The tourist's handy guide to Bermuda*.

Bermuda in Periodical Literature.

READE, Oswald A. Additions to catalogue of plants growing in Bermuda. 1881, p. 146-149. (86)

NOTE.—Arranged in parallel columns, giving genera and species; popular names, etc.; and habitat. This list adds 167 species to the 560 of Dr. Hinson's Catalogue printed on p. 132-145 of this same almanack.

RECTORS of parishes in Bermuda [1622-1881], now for the first time collected and published. 1881, p. 207-208. (87)

TRINITY Church restoration. 1885, p. 217-220. 1 plate. (88)

NOTE.—Trinity Church, erected as a Chapel of Ease in 1855, was destroyed by fire, of incendiary origin, January 27, 1884. The work of building the present edifice was begun January 6, 1885, and is still in progress. After many discouraging delays, the completed nave was dedicated December 21, 1894, having been raised to the dignity of a cathedral, by act of the Bermuda legislature passed in July of that year.

NOTES on "A journal of ye votes of Assembly;" 1696-1758. 1886, p. 78-94;—1758-1764. 1887, p. 154-193. (89)

NOTE.—Extracts, by permission, from the *Ancient journals of the House of Assembly of Bermuda. From 1691-1785* (3 vols. 8°. Hamilton, 1890.), "now being officially printed, being put through the press by William Hall Darrell, the efficient Clerk of the House of Assembly."

NORWOOD's book of survey. 1662-3. 1886, p. 128-130. (90)

NOTE.—Gives an interesting account of the history of Bermuda's Doomsday book, which was reprinted by Lefroy in his *Memorials of the Bermudas*, vol. 2 (Lond., 1879), p. 645-731; also separately printed, Lond., 1879, 89 pp. and cover.

RAINFALL on the north side of Pagets for ten years; 1875 to 1884 inclusive. 1886, p. 198. (91)

NOTE.—Rainfall; 1878-1887, inclusive, 1889, p. 208;—1888-1897, inclusive, 1899, p. 290;—1898, 1900, p. 280.

NAMES (The) of the original adventurers for the plantation of the Somers Islands taken out of the Letters Patent of King James of blessed memorie. [1615.] 1887, p. 193-195. (92)

NOTE.—Reprinted from Lefroy's *Memorials*, vol. 1, p. 99-100.

DIVISION (The) of the Summer Isles into Tribes, by Master Richard Norwood, Surveyor, 1618. 1887, p. 195-198. (93)

NOTE.—Reprinted from Lefroy's *Memorials*, vol. 1, p. 140-143. Lefroy reprinted it from Smith's *Generall historie of Virginia* [etc.] (1624), p. 187-189.

JULY (The) rainfall [1886]. [From the Bermuda Royal Gazette, August 3 and 17, 1886.] 1887, p. 200. (94)

NOTE.—"The total rain-fall was 18.62 inches, and it rained 20 days out of the 31. The average of the 8 registers taken shows a fall for the month of 15.60 inches."

"Of the Bermudas or Summer Islands." 1888, p. 197-199. (95)

NOTE.—Reprinted from Beawes's *Lex Mercatoria and General commerce of the world*. [London, 1750.]

ONION disease in Bermuda. Report of the Board of Agriculture; December 23, 1887. 1888, p. 233-234. (96)

Bermuda in Periodical Literature.

Bermuda pocket almanack. (*Continued.*)

EXTRACT from Bermuda Royal Gazette, December 6, 1887, giving an account of "the Jubilee gift of this people to their Queen." 1888, p. 235-236. (97)

NOTE.—The gift was an album of 100 photographic views of the islands, enclosed in a case of native cedar carved with floral designs emblematic of Bermuda.

STALAGMITE of carbonate of lime seen from the floor of [Walsingham] cave in the Island of Bermuda. 1889, p. 149. (98)

NOTE.—Reprinted from *Proceedings* of the ROYAL SOCIETY OF EDINBURGH, vol. 5, p. 423.

YACHTING in Bermuda; 1888. 1889, p. 165-170. (99)

HALIFAX (The) and Bermuda cable. 1891, p. 105-111. (100)

COMPARATIVE temperatures. 1891, p. 221-222. (101)

NOTE.—Gives tables of temperatures of Bermuda, Los Angeles, Cal., San Diego, Cal., Jacksonville, Fla., and St. Augustine, Fla., for the months of November-April, 1889-1890.

PRESS (The) in Bermuda. 1893, p. 158-163. (102)

NOTE.—A history of the newspaper press of the islands. The first newspaper "The Bermuda Gazette," was issued, January 17, 1784, at St. Georges. Reprinted 1894, p. 155-161; and somewhat abridged in 1899, p. 141-45.

TRINITY church, popularly styled by visitors *The Cathedral*. 1895, p. 115-128; also 1896, p. 116-129. (103)

ALMANACKS published in Bermuda since the introduction of printing by Joseph Stockdale in 1784. 1899, p. 67-72. (104)

[LITERATURE concerning Bermuda.] 1899, p. 86-88. (105)

RUCK, O. E., *Major, R. E.* Survey of Bermuda. 1899, p. 170-175; also 1900, p. 249-254. (106)

NOTE.—Survey commenced November, 1897, by the Royal Engineers. Ninety-eight trigonometrical stations have been established. "The map will be published on the scale of 6 inches to a mile in 6 sheets, each sheet measuring three feet by two feet and having its shortest edge running due North and South. At the present rate of progress [November, 1898] the whole of the work should be completed by August, 1899, and the map will be probably ready for publication towards the end of same year."—p. 175.

LIST of Governors, Admirals, Chief-Justices, etc., from 1687 to date. 1899, p. 227-235. (107)

NOTE.—See also previous numbers of the almanack.

SAVAGE, A. J. Survey of Bermuda. Addendum, being a short account of the work and progress during the year 1899. 1900, p. 266-268. (108)

NOTE.—"It may reasonably be assumed that, provided no unexpected delay occurs, the whole of the work in connection with this survey will be finished by the end of March next year [1900], and that the map will be published not very long afterwards."—p. 267-268.

Without attempting to give further references, it may be said that certain matters of information, revised from year to year, have appeared regularly with each number of the almanack. Among these are Tables of distances, by land and by water, Schedule of duties, Statistics of imports and exports, Lists of acts of the the Assembly, Statistics of population, Produce and prices, Revenue, Expenditures, Salaries of various officials, Signals employed, Officers of the civil, military and naval establishments, and various other matters of local interest.

Bermuda in Periodical Literature.

Bermuda recorder. Paget. folio.

CYCLONE of Tuesday night and Wednesday morning, Sept. 12 and 13, 1899. Souvenir edition. Vol. 1 (no. 15, September 23, 1899), 4 pp. 8 illustrations; 1 map. (108a)

NOTE.—“The total damage to the Bermudas is [here] estimated at £150,000 to £200,000.”

Bibliothek geographischer Handbücher herausgegeben von Prof. Dr. Friedrich Ratzel. Stuttgart. 8°.

HANN, Julius. Handbuch der Klimatologie. 1883. x. + 764 pp. —Yc (109)

NOTE.—Klima der Bermudasinseln, p. 608-609.

Biologisches centralblatt. Leipzig. 8°.

HÄCKER, Valentin. Pelagische Polychätenlarven. 2. Zur Biologie der atlantischen Hochseeformen. Vol. 18 (nr. 2, 15 januar, 1898), p. 39-54. Yc (110)

NOTE.—Gives a description of two species, *Mitraria Mülleri* and *Mitraria skifera* taken in St. George's harbour (p. 46-49).

Biologiska föreningsens förhandlingar. Verhandlungen des Biologischen Vereins in Stockholm. Stockholm and Leipzig. 8°.

FORSSTRAND, Carl W. Metoder för preparering och konservering af hafsdjur samt några biologiska iakttagelser från Bermudas korallfauna. Band 2 (nr. 8, Maj, 1890), p. 108-111. PA (111)

NOTE.—“Se Ymer: 1889:5, 1890:1.”

Blackwood's Edinburgh magazine. Edinburgh. 8°.

SCENE, A, off Bermuda. *Anon.* Vol. 26 (no. 156, September, 1829), p. 317-319. Ym (112)

NOTE.—A sea story of a battle between an English sloop and an American frigate off Bermuda.

[JAMESON, Mrs. Anna Brownell (Murphy).] Characteristics of women. No. III. Characters of imagination and passion. Shakespeare. Vol. 33 (no. 205, March, 1833), p. 391-418. Yc (113)

NOTE.—Miranda of *The Tempest* and the Bermuda Isles, with extracts from the play, p. 409-418.

SPENCER, Aubrey George, *Archdeacon.* Midnight [a poem].—Written at Bermuda. Vol. 42 (no. 264, October, 1837), p. 555. Ym (114)

Blunt, Edmund M. The American coast pilot. New York. 8°.

LEAN, Thomas. Bermudas or Somer's Islands. General instructions for making the Bermuda Islands. 14th edition (November, 1841), p. 294-296. Wt (114a)

REID, Sir William. On the winds, as influencing the tracks sailed by Bermuda vessels; and on the advantage which may be derived from sailing on curved courses when meeting with progressive revolving winds. 15th edition (May, 1847), p. 4*-5. Wt (114b)

Bermuda in Periodical Literature.

- Boston medical and surgical journal.** Boston. 8°.
- BRAINERD, John B. Letter from Bermuda. Vol. 118 (no. 16, April 19, 1888), p. 411-412. YN (115)
- NOTE.—Statistics of temperature for ten years give highest 90°. lowest 42°. While it is no place for consumptives it is just the place for overworked and jaded men.
- Boston society of natural history.** Proceedings. Boston. 8°.
- FEWKES, Jesse Walter. On the origin of the present form of the Bermudas. Vol. 23 (June, 1888), p. 518-522. AS (116)
- Botanical magazine (The);** or, Flower-garden displayed. [Curtis.] London. 8°.
- CURTIS, William. *Sisyrinchium Iridioides*. Iris leav'd *Sisyrinchium*. Vol. 3 (1790), p. 94. 1 plate "[94]." YB (117)
- NOTE.—"It is a native of the Bermudian Islands."
- British association for the advancement of science.** Report of tenth meeting. London. 8°.
- REID, Sir William. Extract from a letter, to Sir D. Brewster, dated August 17, 1839, on the singular appearance of the sun at Bermuda, August 10, 1831, with a letter concerning the same by Augustus William Harvey, dated Bermuda, 3rd August 1839. Part 2 (1840), p. 10-11. YC (118)
- NOTE.—The sun's rays made white objects appear blue. This occurred about the time of the hurricane which passed over St. Vincent. Reid also records his observations of a waterspout three days before writing his letter.
- British colonial slavery,** compared with that of pagan antiquity. London, 1830. 8°.
- BERMUDA—*Governor, Council, and Assembly* (1827). The consolidated act, passed July, 1827, "To ameliorate the condition of the slaves, [etc.]." p. 61*-62*. YL (119)
- NOTE.—Synopsis of sections 20, 26, 32, 35, 36, 38, 41, 44, 45.
- British medical journal.** London. 4°.
- GARRISON at Bermuda. Vol. 2 for 1868 (no. —, October 31, 1868), p. 474. YN (120)
- NOTE.—Account of an epidemic of typhoid fever among unacclimated soldiers during the summer of 1868.
- HARVEY, Christopher. Endemic fevers at Bermuda. Vol. 2 for 1890 (no. 1560, November 22, 1890), p. 1172-1173. YN (121)
- NOTE.—From notes made at Bermuda from 1876-79.
- Brooklyn daily eagle (The).** Brooklyn. folio.
- BEAUTIES of Bermuda. A Brooklynite's trip to a land of sunny skies. Vol. 56 (no. 109, April 19, 1896), p. 33. BNL (122)
- ONIONS of Bermuda. Vol. 56 (no. 123, May 3, 1896), p. 17. 1 illustration. BNL (123)

Bermuda in Periodical Literature.

- HEATON, John Langdon. Bermuda's batteries. Vol. 56 (no. 137, May 17, 1896), p. 18. BnL (124)
- BERMUDA sketches. Vol. 56 (no. 352, December 20, 1896), p. 15. BnL (125)
- NOTE.—"The 'Mudian kindles his fire with oleander stalks, beats his mule with whips of coral ['sea rods'], bails his boat with a calabash split in half and cuts stone for his house with a common hand saw."
- Brown, Alexander. Genesis of the United States. Boston and New York, 1890, 2 vols., 8°.
- SOMERS, Sir George. Somers to Salisbury. State Papers, Colonial, James I., vol. 1, no. 21. Indorsed: "Sir George Sommers to my Lord from Virginia. 15 June, 1610." Addressed: "To the Right Honorable the Earle Salysbarie Lord Treasurer of England, Geve these." Vol. 1, p. 400-402. YL (126)
- NOTE.—This letter was written by Somers soon after his arrival in Virginia (May 10, 1610) and gives a complete account of his shipwreck upon the Bermudas. Mr. NEILL published this letter in his *Virginia Vetusta* (Albany, 1885), p. 61-63.
- RICH, R. Nevvs from Virginia. The lost flocke triumphant; with the happy arrival of Sr Thomas Gates: and . . . Captaine Mr Christopher Newporte, and others into Virginia. With the maner of their distresse in the Iland of Deuils (otherwise called *Bermoothawes*) where they remayned 42 weekes and buildd two Pynaces, in which they returned into *Virginia*. 1610. Vol. 1, p. 420-426. YL (127)
- NOTE.—A poetical tract, describing the adventures supposed to be referred to in SHAKESPEARE'S *Tempest*. Only two copies of the original are known to be extant. It has been reprinted several times.
- VOYAGE (The) of Captaine Samvel Argal, from Iames Towne in Virginia, to feeke the Ile of Bermuda, and misling the fame, his putting ouer toward Sagadahoc and Cape Cod, and so backe againe to Iames Towne, begun the nineteenth of Iune, 1610. Vol. 1, p. 428-429. YL (128)
- NOTE.—After LEPROV'S *Memorials*, BROWN'S *Genesis of the United States* is the best work to consult on the early history of Bermuda, down to the year 1616.
- Buck, Albert H., editor. Reference handbook of the medical sciences. New York. 4°.
- RICHARDS, Huntington. Bermudas. Vol. 1 (1885), p. 493-495. As (129)
- Bulletin of bibliography. The Boston Book Company, Boston. 8°.
- COLE, George Watson. Bermuda in periodical literature. A bibliography. Vol. 1 (no. 4, January, 1898), p. 52-54; (no. 5, April, 1898), p. 74-76. Yc (130)
- NOTE.—Three hundred and fifty copies separately printed. Boston, 1898. (24°. 25 pp.)
- COLE, George Watson. Bermuda in periodical literature; with occasional references to other works. Series 2. Vol. 2 (no. 5, October, 1900), p. 73-74; (no. 6,

Bermuda in Periodical Literature.

Bulletin of bibliography. (Continued.)

January, 1901, p. 87-89; (no. 7, April, 1901), p. 101-102; (no. 8, July, 1901), p. 119-121. (131)

NOTE.—To be continued.

Bushell's Bermuda handbook. Hamilton. 8°.

SMALL, H. B., and BUSHELL, John J. The Bermudas. Vol. 5 (1899), p. 25-97. 11 plates, 2 woodcuts, and 1 map. (132)

NOTE.—"This volume is a combination, under our editing of the manuscript of 'In the Bermudas,' prepared by H. B. Small, Esq., . . . during his sojourn in these Islands through the winter and spring of 1897-8, and of the voluminous manuscript and notes prepared by us for our 1899 volume."—p. 8. It contains a chapter upon the philately of the island, with facsimiles of postage stamps, postal card headings, etc.

BUSHELL, John J. All about Bermuda. History, guide directory and compendium of information on the Bermudas. Tourist's guide. Vol. 6 (1901). 12°. A-E + [1] + 156 + lviii pp. 26 plates, giving 41 views, 3 woodcuts, 1 map, and 16 facsimiles of postage stamps. (133)

Cambridge tribune. Cambridge, Mass. folio.

BOLTON, Charles Knowles. The Summer Isles. Vol. 16 (no. 43, January 20, 1894), p. 8, col. 4. (134)

NOTE.—A winter trip to Bermuda and first impressions of those islands.

Canadian magazine of politics, science, art and literature. Toronto. 8°.

HARWOOD, Fanny. Glimpses of Bermuda. Vol. 1 (no. 3, May, 1893), p. 219-223. 5 illustrations. As (135)

NOTE.—The authoress is not always accurate in her statements; Hamilton's population is not 15,000; Pembroke, Devonshire and Paget are not villages; nor is General Hastings' place named "Norwood."

NICHOLSON, Byron. The charms of Bermuda. Vol. 13 (no. 6, October, 1899), p. 543-548. 7 illustrations. J^F (136)

NOTE.—"If, as Alfred de Musset says, 'Winter is an illness,' then obviously, Bermuda is the remedy."—p. 548.

Canadian monthly and national review (The). Toronto. 8°.

SHIRLEY. Bermuda. Vol. 11 (no. 4, April, 1877), p. 392-396. As (137)

[CLEMENS, Samuel Langhorn.] Some rambling notes of an idle excursion. Vol. 12 (no. 4-6, October, November, and December, 1877), p. 351-355, 446-451, 559-564; vol. 13 (no. 1, January, 1878), p. 74-79. Yc (138)

NOTE.—"Published from advance sheets by arrangement with the author and his American publishers."—Vol. 12, p. 351 note. Published simultaneously in the *Atlantic Monthly*, *Belgravia*, and *Canadian Monthly*. This lacks the final story which appeared in the author's *Stolen white elephant*.

Bermuda in Periodical Literature.

Canadian naturalist and geologist. Montreal. 8°.

KEMP, Alexander F. Notes on the Bermudas and their natural history, with special reference to their *marine algæ*. Vol. 2 (no. 2, May, 1857), p. 145-156. Y^H (139)

NOTE.—Of marine algæ there are here catalogued some seventy species under the following headings:—I. *Melanospermeæ* or *Fucales*, 19 species; II. *Rhodosperrmeæ* or *Ceramiales*, 38 species; and III. *Chlorosperrmeæ* or *Conserveales*, 13 species.

JONES, John Matthew. On ocean drifts and currents [and their effects on islands far removed from continents]. New [second] series, vol. 1 [vol. 9] (no. 1, February, 1864), p. 37-45. Y^C (140)

NOTE.—“Probably we could not select a more perfect example of current-formed islands than the Bermudas.”—p. 39. Treats of the origin of the islands, followed by remarks upon the corals, marine fauna, and botanical features of these islands.

Candolle, Alphonse de. Prodomus systematis naturalis regni vegetabilis. Pars decima sexta. Sectio posterior. Paris, 1864-68. 8°. P^A (141)

NOTE.—The *Juniperus Bermudiana* (Linn. sp. pl. 1471), is described on pages 490-491.

Capper, James. Observations on the winds and monsoons. London, 1801. 4°. Y^C (142)

NOTE.—“Islands of Bermudas” p. 68, 177-178. The author says:—“hurricanes, I believe, are almost unknown.” Meteorological records, since the time this was written, have pretty effectually shown that hurricanes are far from being “almost unknown” as above stated.

Carrington F. A., and Payne J. Reports of cases argued and ruled at *Nisi Prius* [etc.]. London. 8°.

BASHAM, Samuel *versus* Lumley Sir William. Case of trespass tried before Lord Tenterden, C. J., at adjourned sittings in London, after Michaelmas Term, 1828, viz. Jan. 8, 1829. Vol. 3 (1829), p. 489-496. A^S (143)

NOTE.—This case grew out of a dispute between Governor Lumley and the church wardens of the parish of St. George's in Bermuda. This action was brought by Samuel Basham, one of the church wardens, against Sir William Lumley for false imprisonment. In this case it was decided “that the governor of a British colony has the ecclesiastical power of an ordinary, without that authority being expressly named in his commission. If the governor of a colony has the authority of the ordinary, he has no power to commit a churchwarden who refuses to account, he ought to proceed upon a citation, and must excommunicate. The report of the trial was printed at London in 1829 (112 pp. 8°).

Cassell's sunshine series. New York. 12°.

FLOYD, Isobel (Henderson). Stolen America [a novel]. No. 47. [iii] + 242 pp. and cover title. 4 plates.

Bn^B (144)

NOTE.—“‘Stolen America’ is the island of Bermuda, which the author describes with artistic pen, . . . Any one contemplating a visit to Bermuda will find this a rare guide to its beauties.”—*Annual American Catalogue*, 1890, p. 55.

Catholic world, The. A monthly magazine of general literature and science. New York. 8°.

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Catholic world, The. (*Continued.*)

WALSH, H. C. The Summer Islands. Vol. 48 (no. 286, January, 1889), p. 444-452. As (145)

BERMUDA. *Anon.* Vol. 68 (no. 408, March, 1899), p. 806-818. *Illustrations* and 1 map. (146)

NOTE.—Several of the illustrations are views of the West India Islands.

Challenger expedition. Report on the Scientific Results of the voyage of H. M. S. Challenger during the years 1873-76. Narrative. London. royal 4°.

I. NARRATIVE.

TIZARD, T. H., and others. Narrative of the cruise of H. M. S. Challenger, with a general account of the scientific results of the expedition. 2 vols. in 3. 1882-1885 [vol. 1, 1884-85, vol. 2, 1882.] YH (147)

NOTE.—The following references relate to Bermuda:

Vol. 1, pt. 1.—General description of the geology, flora, and fauna of the Bermudas; giving the movements of members of the expedition, during their two visits, from April 3-23, and from May 28 to June 13, 1873; illustrated with 19 woodcuts, a diagram, and three charts, p. 136-153, 160-167; Other references to Bermuda, p. 431, 483-484.

Vol. 1, pt. 2.—Revised table, showing the positions of the soundings, the temperature, etc., of surface and bottom water, trawlings, dredgings, etc., near Bermuda, Appendix II., p. 1008-1009; Report on the chronometers and the meridian distances obtained, while at Bermuda, Appendix III., p. 1017-1026. The result obtained was as follows: Bermuda Island, Dockyard clock tower 32° 19' 4" North Latitude, 64° 51' 36" West Longitude on chart, but by Challenger's observer 64° 49' 24" West Longitude, the meridian based upon Gibraltar and Halifax.

Vol. 2.—Abstract of magnetical observations taken at fifteen different points on land, at Bermuda, with descriptive references to observation spots, p. 25, 46; p. 56-59; Abstract of Variations "At Anchor—Bermuda," p. 76; Abstract of observations with Fox Circles, at Bermuda, p. 114-119; Table of standard compass co-efficients and of Fox compass co-efficients, Bermuda, p. 274-276; Table of computed deviations from standard compass, Bermuda, p. 276-277; Table of computed deviations of the compass in Fox circle position, Bermuda, p. 278-279; Inclination table of corrections, for different positions of ship's head, Bermuda, p. 280-281; Total force—Table of corrections, for different positions of ship's head, Bermuda, p. 296-297; Memorandum on the meteorological observations made at and near Bermuda, p. 346-352, 364-369.

II. PHYSICS AND CHEMISTRY.

CREAK, E. W. Report on the Magnetical Results obtained by H. M. S. Challenger during the years 1873-76. 1889. Pt. 6 (vol. 2). 1 plate, of two maps. YH (148)

NOTE.—"Here [Bermuda] the local disturbance was such as to invite particular examination, . . . The declination was observed at seventeen stations, the inclination at seven. Magnetic disturbance was found at three stations in the eastern parts of the islands,"—p. 4-5.

III. GEOLOGY AND PETROLOGY (DEEP-SEA DEPOSITS).

MURRAY John, and RENARD, Rev. A. F. Report on Deep-Sea Deposits based on the specimens collected

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during the voyage of H. M. S. Challenger, in the years 1872 to 1876. 1890-91. YH (149)

NOTE.—The stations at which dredgings were made at or near Bermuda were eighteen in number. Synoptical tables on the nature and composition of the specimens of deep-sea deposits, collected during the expedition, their variations with change of conditions, are given. The part relating to Bermuda deposits off and within the reefs, p. 46-51, 54-55; Remarks on the variation of the deposits, etc., along the different lines of soundings and dredgings, Bermuda, p. 150-151. This portion is illustrated by plate 13. See also charts 6, 8 and 9 and diagrams 2 and 3.

IV. BOTANY.

HEMSLEY, William Botting. Report on present state of knowledge of various Insular Floras, being an introduction to the Botany of the Challenger expedition. 1885. Introd. (vol. 1). YH (150)

NOTE.—The Bermudas are referred to several times in this introduction, as follows:—A. R. Wallace's *Island Life*, p. 4; Classification of islands, p. 5-6; Three petaliferous monocotyledons and one orchid, p. 27-28; One carex, p. 29; Bermudas: genera; indigenous 97, endemic 0; — species; indigenous 120, endemic 4, p. 33; Concluding remarks—Bermudas, p. 65. See also p. 304 of Botany, Part III., for an account of the three following species: *Hibiscus tiliaceus*, Linn.; *Vitis vinifera*, Linn.; and *Sapindus saponaria*, Linn. Under the heading "Records of various drifted seeds germinating after being cast ashore," the authors cited, among others, are "LEFROY, *Bot. Berm.*, p. 52, *ibid.*, p. 61," and "JONES *Naturalist in Bermuda*, p. 190."

HEMSLEY, William Botting. Report on the Botany of the Bermudas and various other islands of the Atlantic and Southern Oceans. The Bermudas. 1884. Pt. 1 (vol. 1). 13 plates. YH (151)

NOTE.—Also issued separately. "In a flora of 326 species, belonging to 231 genera and 78 orders, there is a probably indigenous element, consisting of 144 species, belonging to 109 genera and 50 orders. A further analysis of this indigenous element yields the following statistics: Dicotyledons, 37 orders, 74 genera, 85 species; Monocotyledons, 10 orders, 23 genera, 35 species; Vascular Cryptograms, 3 orders, 12 genera, 24 species; giving a total of 50 orders, 109 genera, and 144 species. The Bermudan cellular cryptograms are still imperfectly known. Including a few endemic species, the following are the number in this work: Musci, 8 species; Hepaticæ, 6 species; Lichenes, 31 species; Fungi, 24 species; Algæ, 132 species, making a total of 201 species"—p. 8.

CASTRACANE DEGLI ANTELMINELLI, Conte Francesco. Report on the Diatomaceæ collected by H. M. S. Challenger during the years 1873-76. 1886. Pt. 4 (vol. 2). YH (152)

NOTE.—Three species are recorded as from near the Bermudas:—*Navicula janischii*, n. sp., p. 29, plate 30, fig. 5; *Thalassiostron nordenskiöldii*, Cleve, var. nov., p. 96, plate 30, fig. 4; *Systephania* (?) sp. (?), p. 151, plate 30, fig. 2. For a further list of Diatomaceæ collected near the Bermudas and observed by Mr. Comber, see "Summary of Results," First part, p. 191 (56 species), 197-198 (83 species). "It was at one time hoped that an additional Report would be included in this volume upon Pelagic Algæ other than Diatomaceæ, such as Oscillatoria, Coccospheeres, Rhabdosphaeres, and some other organisms which are regarded as Pelagic Algæ. . . . An interesting account of these Pelagic Algæ may

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Challenger expedition. BOTANY. (Continued.)

be looked for from the first naturalist, who has the time and opportunity to examine them in the living state on board ship, immediately after having been taken from the waters of the open ocean." — *Editorial Note*, p. [vii].

V. ZOÖLOGY.

NOTE. — The following zoölogical monographs are arranged by the systematic order given in the Editorial notes, vol. 32, p. x-xi. A few of these contain deep-sea species, taken near Bermuda, which are included, though it may be a question whether they properly belong to the fauna of that locality.

GÜNTHER, Albert Charles Lewis Gotthilf. Report on the Shore Fishes procured during the voyage of H. M. S. Challenger in the years 1873-76. 1880. Pt. 6 (vol. 1). YH (153)

NOTE. — The marine fish fauna of Bermuda, comprising 77 species, including those named below, is given on p. 8-9. The following 8 new or imperfectly known species are described on p. 10-11: — *Gerres jonesi*, Gthr.; *G. lefroyi*, Goode; *Sargus capensis*, Smith; *Pimalepterus bosci*, Lac.; *Caranx caballus*, Gthr.; *Fundulus bermuda*, Gthr.; *Belone jonesi*, Goode; *Syngnathus pelagicus*, Osbeck. "Those named above were obtained, by the Challenger, at no other locality." — p. 8.

GÜNTHER, Albert Charles Lewis Gotthilf. Report on the Deep-Sea Fishes collected by H. M. S. Challenger during the years 1873-76. 1887. Pt. 57 (vol. 22). YH (154)

NOTE. — Reference is made to the specimen of the *Gymnetrus gladius* captured in January 1860, at Hungry Bay, at p. 75. Two species were taken by the Challenger, north-east of Bermuda, at Station 60: — *Gnostoma microdon*, n. sp., p. 175-177; and *Chauliodus sloanti*, Bl. Schn., p. 179.

GÜNTHER, Albert Charles Lewis Gotthilf. Report on the Pelagic Fishes collected by H. M. S. Challenger during the years 1873-76. 1889. Pt. 78 (vol. 31). YH (155)

NOTE. — Five species were taken from Gulf-weed south of Bermuda: — *Psenes cyanophrys*, Cuv. Val., p. 12; *Antennarius marmoratus*, Gthr., [n. sp. ?], p. 18; *Exocoetus spilotus*, Gthr., [n. sp. ?], p. 35; (?) *E. affinis*, Gthr., [n. sp. ?], p. 37; and a specimen of the *Syngnathus plagicus*, Osbeck, described in the author's "Report on the Shore Fishes," p. 8. There was also taken in the North Atlantic, while at Bermuda, a specimen of the *Leptocephalus brevirostris*, p. 42.

HERDMAN, William Abbott. Report on the Tunicata collected during the voyage of H. M. S. Challenger during the years 1873-76. Part I. — Ascidiæ Simplices. 1882. Pt. 17 (vol. 6). YH (156)

NOTE. — Three species were taken at Bermuda, two of which were new: — *Ascidia nigra*, Savigny, p. 210-211; *Ecteinascidia*, n. gen. *turbinata*, n. sp., p. 243-245, plate 36, figs. 1-6, Bermuda only; *Clavelina oblonga*, n. sp., p. 246-247, plate 35, figs. 6-10, Bermuda only. For further references to the above species see Index.

HERDMAN, William Abbott. Report on the Tunicata collected during the voyage of H. M. S. Challenger during the years 1873-76. Part II. — Ascidiæ Composite. 1886. Pt. 38 (vol. 14). YH (157)

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NOTE.—Three new species were taken in shallow water off Bermuda:—*Botrylloides nigrum*, n. sp., p. 50-52, plate 1, figs. 8 and 3, figs. 19-21; *Symplegma viride*, n. sp., p. 144-147, plate 18, figs. 7-14; *Didemnum* (?) *inermis*, n. sp., p. 265-266, plate 34, figs. 6, 7. These species were taken in no other locality by the Challenger expedition.

DAVIDSON, Thomas. Report on the Brachiopoda dredged by H. M. S. Challenger during the years 1873-76. 1880. Pt. I (vol. 1). YH (158)

NOTE.—Of one species, *Discina stella*, Gould, five upper valves were obtained off Bermuda, p. 62-65, plate 4, fig. 19a; a dead incomplete valve of *Crania*, sp., was taken at a depth of 435 fathoms, p. 65.

BUSK, George. Report on the Polyzoa collected by H. M. S. Challenger during the years 1873-76. Part I.—The Cheilostomata. 1884. Pt. 30 (vol. 10). YH (159)

NOTE.—Two species were procured at Station 36, off Bermuda, in 30 fathoms of water:—*Aetea anguina*, Linné (sp.), p. 2; *Bugula neritina*, Linné (sp.), p. 42. The latter species was taken in no other locality.

BUSK, George. Report on the Polyzoa collected by H. M. S. Challenger during the years 1873-76. Part II.—The Cyclostomata, Ctenostomata, and Pedicellinea. 1886. Pt. 50 (vol. 17). YH (160)

NOTE.—Two species were taken at Station 36, off Bermuda:—*Crisia denticulata*, Lamarck. sp. var. *β patagonica*, d'Orbigny(?), p. 5; *Amathia lendigera*, Linné (sp.), p. 33. These species were taken at no other locality.

HOYLE, William Evans. Report on the Cephalopoda collected by H. M. S. Challenger during the years 1873-76. 1886. Pt. 44 (vol. 16). YH (161)

NOTE.—One species was procured at Bermuda:—*Octopus bermudensis*, Hoyle [n. sp.], p. 94-95, plate 2, fig. 5; found at Bermuda only. Another species was procured at Station 30:—*Teleoteuthis caribbaea* (Lesueur), Verrill, p. 172-173, plate 30, figs. 1-8. "The results of Mr. Hoyle's investigation . . . will be found to contain an able revision of our knowledge of existing species up to the present time."—*Editorial Notes*, vol. 16, p. viii.

PELSENEER, Paul. Report on the Pteropoda collected by H. M. S. Challenger during the years 1873-76. Part II.—The Thecosomata. 1887. Pt. 65 (vol. 23). YH (162)

NOTE.—Shells of Thecosomata were found at Station 32b, off Bermuda, in 950 fathoms, as follows:—*Limactina inflata*, d'Orbigny, p. 17-20; *L. bulimoides*, d'Orbigny, p. 30-32. At Station 33, in 435 fathoms:—*L. inflata* (above); *L. triacantha*, Fischer, p. 20-21, plate 1, figs. 1, 2; *L. lesueurii*, d'Orbigny, p. 24-25; *L. bulimoides* (above); *Peractis reticulata*, d'Orbigny, p. 34-36, plate 1, figs. 7, 8; *P. bispinosa*, n. sp., p. 36-37, plate 1, figs. 9, 10; *Clio* (*Crescis*) *virgula*, Rang, p. 48-49; *C. (C.) acicula*, Rang, p. 51-53; *C. (Hyalocylis) striata*, Rang, p. 54-56, plate 2, fig. 3; *C. (Styliola) subula*, Quoy and Gaimard, p. 57-58; *C. pyramidata*, Linné, p. 63-65; *Cuvierina columnella*, Rang, p. 67-69; *Carolinia trispinosa*, Lesueur, p. 76-78; *C. quadridentata*, Lesueur, p. 78-79; *C. longirostris*, Lesueur, p. 79-81, a live specimen of this species was procured off Bermuda; *C. inflexa*, Lesueur, p. 85-86. In all 16 species.

SMITH, Edgar Albert. Report on the Heteropoda col-

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Challenger expedition. ZOOLOGY. (Continued.)

lected by H. M. S. Challenger during the years 1873-76. 1888. Pt. 72 (vol. 23). YH (163)

NOTE.—Six species were dredged at Station 33, off Bermuda, in 435 fathoms:—*Atlanta peronii*, Lesueur, p. 39-40; *A. inflata*, Eyndoux and Souleyet, p. 41; *A. lesueurii*, Eyndoux and Souleyet, p. 40; *A. souleyeti*, Smith, p. 43-44; *A. fusca*, Eyndoux and Souleyet, p. 42; *A. inclinata*, Eyndoux and Souleyet, p. 41. See also p. 5-6.

WATSON, Robert Boog. Report on the Scaphopoda and Gasteropoda collected by H. M. S. Challenger during the years 1873-76. 1886. Pt. 42 (vol. 15). YH (164)

NOTE.—Twelve species were taken at Stations off Bermuda, nine of which were new. At Station 33, in 435 fathoms:—*Fissurella (Lucapina) cayensis*, Lamarck (a young shell in bad condition), p. 34; *Natica radiata*, Watson [n. sp.], p. 436-437, plate 27, fig. 5. At Station 56, in 1075 fathoms:—*Cassia* sp. *fry* (not *saburon*, Adan.), p. 694; *Dentalium circumcinctum*, Watson [n. sp.], p. 7, plate 1, fig. 7; *Dunkeria falcifera*, Watson [n. sp.], p. 500-501, plate 34, fig. 5, Bermuda only; *Pleurotoma (Mangelia) acanthodes*, Watson [n. sp.], p. 342-343, plate 23, fig. 3; *P. (M.) tiara*, Watson [n. sp.], p. 347-348, plate 21, fig. 7; *Ringicula peracuta*, Watson [n. sp.], p. 636-657, plate 47, fig. 11; *Sequenzia monocingulata*, Seguenza, p. 105-106; *Trochus (Margarita) infundibulum*, Watson [n. sp.], p. 84-86, plate 5, fig. 5; *T. (M. f.) scintillans*, Watson [n. sp.], p. 91-92, plate 5, fig. 2; *T. (Ziziphinus) tiara*, Watson [n. sp.], p. 60-62, plate 6, fig. 4. Station list, p. 694. See also Index.

HADDON, Alfred Cort. Report on the Polyplacophora collected by H. M. S. Challenger during the years 1873-76. 1886. Pt. 43 (vol. 15). YH (165)

NOTE.—One species was procured at Station 36, off Bermuda, in 30 fathoms:—*Chiton squamosus*, Linné, p. 20-21, taken at Bermuda only.

SMITH, Edgar Albert. Report on the Lamellibranchiata collected by H. M. S. Challenger during the years 1873-76. 1885. Pt. 35 (vol. 13). YH (166)

NOTE.—Twenty-five species were taken at and off Bermuda, of which nine were new to science. In deep water, probably off Bermuda:—*Montacuta cylindracea*, n. sp., p. 206, plate 12, figs. 4-46; *Lucina (Codakia) tigerina*, Linné, p. 179. At Station 33, in 435 fathoms:—*Circe bermudensis*, n. sp., p. 143-144, plate 2, figs. 1-16, Bermuda only; *Ervilia subcancellata*, n. sp., p. 80-81, plate 6, figs. 2-26; *Verticordia ornata*, d'Obigny, var., p. 166, Bermuda only; *Corbula philippi*, n. sp., p. 33-34, plate 8 [7], figs. 4-46, Bermuda only; *Neera consociata*, n. sp., p. 41, plate 9, figs. 7-76; *N. claviculata*, Dall, p. 72, plate 9, fig. 8-86, Bermuda only; *N. congenita*, n. sp., p. 52-53, plate 10, figs. 1-16, Bermuda only; *N. curta*, Jeffreys, p. 49; *Lucina (Codakia) pecten*, Lamarck, p. 179-180; ? *Cryptodon barbatus*, Reeve, (single left valve), p. 190, Bermuda only; *Malletia veneriformis*, n. sp., p. 246-247, plate 20, figs. 9-92; *Amussium dalli*, n. sp., p. 308-309, plate 22, figs. 7-76, Bermuda only; *A. squamigerum*, n. sp., p. 312-313, plate 23, figs. 5-52; *A. cancellatum*, n. sp., p. 315-316, plate 23, figs. 8-86; *Cryptodon croulinensis*, Jeffreys, p. 193. Two species, probably in shallow water:—*Lithodomus antillarum*, Philippi, (boring in coral), p. 276, Bermuda only; *L. appendiculatus*, Philippi, (boring in coral, *Oculina bermudiana*), p. 276, Bermuda only. At Station 36, in 30 fathoms:—*Arca noe*, Linné, p. 258, Bermuda only; *A. (Acar) domingensis*, Lamarck, p. 265, Bermuda only; *Avicula (Meleagrina) squamulosa*, Lamarck, p. 284-285, Bermuda only; *Lima (Mantellum) hiata*, Gmelin, p. 290, Bermuda only. Station

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56, in 1075 fathoms:—*Limopsis aurita*, Brocchi, p. 237; *Lima multicostata*, Sowerby, p. 288-289. See also p. 8-9 and Index.

MIERS, Edward John. Report on Brachyura collected by H. M. S. Challenger during the years 1873-76. 1886. Pt. 49 (vol. 17). YH (167)

NOTE.—Twenty-one species were taken at or off Bermuda, of which one was new. At Station 33, in 435 fathoms:—*Geryon* (?) *incertus*, n. sp., p. 224-225, plate 16, fig. 3, Bermuda only. At Bermuda, on shore and in shallow water:—*Podochela riisei*, Stimpson, p. 11; *Microcaloma trispinosa*, Latreille, p. 80; *Microphrys bicornutus*, Latreille, p. 83; Bermuda only; *Mithrax* (*Nemausa*) *rostrata*, A. Milne Edwards, p. 85, Bermuda only; *Mithrax forceps*, A. Milne Edwards, p. 88-89; *Lophactaea lobata*, A. Milne Edwards, p. 113-114, Bermuda only; *Panopeus herbstii*, var. *serratus*, de Saussure, p. 129-130, Bermuda only; *Eriphia gonagra*, Fabricius, p. 163, Bermuda only; *Neptunus* (*Achelous*) *depressifrons*, Stimpson, p. 181-182, Bermuda only; *Geocarcinus lagostoma* (?), A. Milne Edwards, p. 218-219, plate 18, fig. 2; *Cardiosoma guanhumi*, Latreille, p. 220, Bermuda only; *Ocyroda arenarai*, Catesby, p. 240; *Grapsus maculatus*, Catesby, p. 255-256; *Pachygrapsus transversus*, Gibbes, p. 259-260; *Calappa flammea*, Herbst, p. 284, plate 23, fig. 1; *Clappa gallus*, Herbst, p. 286. The following species were taken at Station 30, south of Bermuda, in the Gulf-weed:—*Neptunus* (*Neptunus*) *sayii*, A. Milne Edwards, p. 173; *Nantilograpsus minutus*, Linné, p. 254; *Eurytium limosum*, Say, p. 141, Hungry Bay swamps, Bermuda only; *Goniopsis cruentata*, Latreille, p. 267, also from same locality, Bermuda only. See also p. xix and Index.

HENDERSON, John R. Report on the Anomura collected by H. M. S. Challenger during the years 1873-76. 1888. Pt. 69 (vol. 27). YH (168)

NOTE.—Four species were taken at Bermuda. On the sandy shore and in shallow water:—*Remipes scutellatus*, Fabricius, p. 38-39; *Petrolisthes armatus*, Gibbes, p. 105, Bermuda only. At Station 56, in 1075 fathoms:—*Parapagurus abyssorum*, A. Milne Edwards, MS., p. 87-89, plate 9, figs. 2, 2a; *Munidopsis serratifrons*, A. Milne Edwards, p. 149-150, plate 16, figs. 3, 3a, Bermuda only. See also p. 184 and Index.

BATE, Charles Spence. Report on the Crustacea Macrura collected by H. M. S. Challenger in the years 1873-76. 1886-88. Two vols., one of text and one of plates. Pt. 52 (vol. 24). YH (169)

NOTE.—Eight species were collected at or off Bermuda, four of which were new. In shallow water at Bermuda:—*Stenopus hispidus*, Olivier, p. 211-213, plate 30; *Alpheus bermudensis*, n. sp., p. 547-548, plate 98, fig. 3; *Brachycarpus*, n. gen. *savignyi*, n. sp., p. 795-798, plate 129, fig. 4, Bermuda only. At Station 57, in 690 fathoms:—*Nephropsis rosea*, Willemoes-Suhm, MS., n. sp., p. 178-181, plates 23, figs. 1, 2, and 24, fig. 1, 1 woodcut, Bermuda only. Near Bermuda, in large numbers, typical specimens of *Latreutes ensiferus*, Milne Edwards, p. 583-584, plate 104, fig. 1. At Station 30, south of Bermuda, in Gulf-weed:—*Sergestes edwardsii*, Krøyer, p. 403-404, plate 73, fig. 2; *Hippolyte bidentatus*, n. sp., p. 591-594, plate 105, figs. 1, 2; *Palæmon natator*, Milne Edwards, p. 784-786, plate 128, figs. 6, 7. See also p. li-iii and Index.

SARS, Georg Ossian. Report on the Schizopoda collected by H. M. S. Challenger during the years 1873-76. 1885. Pt. 37 (vol. 13). YH (170)

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NOTE.—One new species was taken in shallow water at the Bermuda Islands:—*Heteromysis bermudensis*, n. sp., p. 216-217, plate 38, figs. 1-7, Bermuda only.

BROOKS, William Keith. Report on the Stomatopoda collected by H. M. S. Challenger during the years 1873-76. 1886. Pt. 45 (vol. 16). YH (171)

NOTE.—One species taken at Bermuda and also at Station 36, near Bermuda:—*Gonodactylus chiragra*, Latreille, p. 56-58, plate 15, fig. 4. See also Index.

SARS, Georg Ossian. Report on the Phyllocarida collected by H. M. S. Challenger during the years 1873-76. 1887. Pt. 56 (vol. 19). YH (172)

NOTE.—One new species was taken by Mr. John Murray in Harrington Sound:—*Paranebalia*, n. gen. *longipes*, n. sp., Willemoes-Suhm, p. 10-20, plates 1 and 2, Bermuda only.

STEBBING, Thomas Roscoe Rede. Report on the Amphipoda collected by H. M. S. Challenger during the years 1873-76. 1887-88. Pt. 67 (vol. 29). YH (173)

NOTE.—One species was taken at Bermuda:—*Caprella danilevskii*, Czerniavski, p. 1264-1267, plate 145, Bermuda only. See also Index.

HOEK, P. P. C. Report on the Cirripedia collected by H. M. S. Challenger during the years 1873-76. [Systematic Part.] 1883. Pt. 25 (vol. 8). YH (174)

NOTE.—A single species is recorded from the Bermudas:—*Coronula diadema*, Linn., sp., p. 163, Bermuda only. South of Bermuda on the surface among Gulf-weed, at Station 30:—*Lepas anserifera*, Linn., p. 39-40, plate 1, fig. 4.

BRADY, George Stewardson. Report on the Ostracoda dredged by H. M. S. Challenger during the years 1873-1876. 1880. Pt. 3 (vol. 1). YH (175)

NOTE.—Eight species were collected off the Bermudas, one of which was new. At Station 33, in 435 fathoms, on a mud bottom:—*Pontocypris trigonella*, G. O. Sars, p. 36-37, plate 15, figs. 4, *a-d*, Bermuda only; *Bairdia foveolata*, G. S. Brady, p. 55-56, plate 8, figs. 1, *a-f*, and 2, *a-f*; *Cythere fungoides*, G. S. Brady, p. 93, plate 19, figs. 7, *a-d*; *C. bermudæ*, G. S. Brady, p. 90, plate 21, figs. 2, *a-d*, Bermuda only; *Xestoleberis curia*, G. S. Brady, p. 126-127, plate 31, figs. 6, *a-d*; *Cytherella irregularis*, n. sp., p. 178, plate 43, figs. 3, *a-c*, (one or two detached valves), Bermuda only; *C. pulchra*, G. S. Brady, p. 174, plate 44, figs. 3, *a-b*, (valves referable to this species); *Asterope*, Philippi, p. 161 (one or two imperfect specimens, probably belonging to this species). See also p. 13.

THÉEL, Hjalmar. Report on the Holothuriodea dredged by H. M. S. Challenger during the years 1873-76. 1885-86. Pt. 39 (vol. 14). YH (176)

NOTE.—Three species were obtained at Bermuda, one of which was new:—*Stichopus mobii*, Semper, 1868, p. 159, 192, plate 9, figs. 1, *a-g*, Bermuda only; *S. haytiensis*, Semper, 1868 (?), p. 162, 190, plate 7, figs. 5, *a-f*, Bermuda only; *Synapta picta*, n. sp., p. 10-11, plate 1, figs. 9, 10, Bermuda only.

AGASSIZ, Alexander. Report on the Echinoidea dredged by H. M. S. Challenger during the years 1873-76. 1881. Pt. 9 (vol. 3). YH (177)

NOTE.—Two species were procured at Bermuda:—*Toxopneustes variegatus*, Lamarck, p. 113, Bermuda only;

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Spatangus purpureus, Leske, p. 171. Six other species are attributed to the Bermudas:—*Diadema setosum*, Gray, p. 210; *Echinometra subangularis*, Desml., p. 211; *Hipponoe esculenta*, A. Ag., p. 214; *Melita sexforis*, A. Ag., p. 216; *Echinonens semilunaris*, Lamk.; *Brissus unicolor*, Kl.

LYMAN, Theodore. Report on the Ophiuroidea dredged by H. M. S. Challenger during the years 1873-76. 1882. Pt. 14 (vol. 5). YH (178)

NOTE.—Thirteen species were procured at Bermuda, seven of which were new. At Station 33, in 435 fathoms:—*Ophiomusium cancellatum*, Lym. [n. sp.], p. 88-89, plate 2, figs. 16-18; *Ophiopyren* [n. gen.] *longispinus* [n. sp.], Lym., p. 105-106, plates 12, figs. 4-6; 39, figs. 4-9; *Ophiacantha troscheli*, Lym. [n. sp.], p. 190-191, plate 13, figs. 1-3, Bermuda only; *Ophiomitra chelys*, Lym. [n. sp.] var.?, p. 205-206; *Astroschema branchiatum*, Lym. [n. sp.], p. 276, plate 30, figs. 5-8, Bermuda only. At Station 36, in 32 fathoms:—*Ophiotrix angulata*, Avres, p. 219; *O. suensonii*, Ltk., p. 222, Bermuda only; *Ophiomyxa flaccida*, Ltk., p. 246, plate 43, figs. 1-3. At Station 56, in 1075 fathoms:—*Amphipura duplicata*, Lym. (var.), p. 136, plate 17, figs. 10-12, Bermuda only; *Ophiacantha segesta*, Lym. [n. sp.], p. 189, plate 15, figs. 1-2, young and immature specimen, Bermuda only. Off Bermuda, in 750 fathoms:—*Ophioglypha lepida*, Lym. [n. sp.], p. 43-44, plate 4, figs. 1-3. In shallow water:—*Ophioneis reticulata*, Ltk., p. 162, plate 40, figs. 13-15; *Ophiocoma pumila*, Ltk., p. 171, Bermuda only. See also Index and p. 287-288. In the "Table of doubtful species" occurs, *Amphilepsis norvegica* (?), Station (33?), p. 45, 46.

SLADEN, Walter Percy. Report on the Asteroidea collected during the voyage of H. M. S. Challenger during the years 1873-76. 1888. 2 vols.; text 1 vol., plates 1 vol. Pt. 51 (vol. 30). YH (179)

NOTE.—Three species were collected off Bermuda. At Station 36, in 30 fathoms:—*Chataster longipes* (Retzius), Sars, p. 399-400. Off Bermuda, depth and conditions not recorded:—*Asterina folium* (Lütken), Agassiz, p. 393, Bermuda only; *Asterias (Stolasterias) tenuispina*, Lamark. (on the reefs), p. 583, Bermuda only. See also p. 651-652 and Index.

M'INTOSH, William Carmichael. Report on the Annulida Polychæta collected by H. M. S. Challenger during the years 1873-76. 1885. Pt. 34 (vol. 12). YH (180)

NOTE.—Twenty-one species were collected at or off Bermuda, of which fourteen were new to science. At Station 33, in 435 fathoms:—*Eulepis wyvillei*, n. sp., p. 131-134, plates 19, fig. 11; 20, figs. 2, 3; 24, figs. 2, 3; 25, fig. 11; 14 A, figs. 4-6; 32 A, fig. 7, Bermuda only; *Eunotomastus*, n. g., *grubei*, n. sp., p. 388-389, plate 24 A, fig. 16, Bermuda only; *Placostegus assimilis*, n. sp., p. 525-527, plates 55, fig. 9; 29 A, figs. 29, 30, Bermuda only; *Spirobranchus occidentalis*, n. sp., p. 529-530, plates 55, fig. 10; 29 A, figs. 31, 32, Bermuda only. At Station 36, in 30 fathoms:—*Notopygos megalops*, n. sp., (? *crinitus*, Grube, var.), p. 17-19, plates 1, fig. 1; 2 A, figs. 3, 4, Bermuda only; *Hipponoe gaudichaudi*, Andouin and Milne-Edwards, p. 30-33, plates 1, fig. 5; 4, fig. 3; 3 A, figs. 13-17. Off the Bermudas, floating at surface on a log:—*Amphinome rostrata*, Pallas, p. 21-24, plates 1, fig. 7; 4, fig. 1; 1 A, fig. 16; 2 A, figs. 8-12, Bermuda only; *Hermodice carunculata*, Pallas, p. 24-27, plates 5 and 3 A, figs. 1-4. Between tide-marks at Bermuda:—*Eurythoe pacifica*, Kinberg (?), p. 27-29, plates 2, figs. 3, 4; 3, fig. 3 [2]; 2 A, fig. 13; 3 A, figs. 5-9, Bermuda only; *Polynoe pustulata*, n. sp., p. 115-116, plates 10, fig. 3; 17, fig. 2; 9 A, figs. 6, 7, Bermuda only; *Nereis (Perinereis) melanocephala*, n. sp., p. 216-219, plates 34, figs. 14-17; 16 A, figs. 8, 9, Bermuda only; *Eunice vittata*, Delle Chiaje, var.?, p. 276-277, plates 38, figs. 3-5; 19 A, figs. 16-17; *E. cirrobranchiata*, n. sp., p.



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277-278, plates 38, figs. 9-11; 19 A, figs. 21-24, Bermuda only; *E. barvicensis*, n. sp., p. 292-294, plates 39, fig. 12; 21 A figs. 1-3, also 2 text woodcuts, Bermuda only; *E.*, sp., (?), p. 229, plates 39, fig. 19; 21 A, figs. 12 [10]-14, fragment of posterior end; *Aricia platycephala*, n. sp., p. 353-354, plates 43, figs. 1-3; 22 A, figs. 16, 17, Bermuda only; *Cirratus assimilis*, n. sp., p. 384-385, plate 24 A, fig. 11, fragment of snout, Bermuda only; *Terebella crassicornis*, Schmarda?, p. 444-445, plate 27 A, fig. 19, fragment of posterior region, Bermuda only; *Pista sombreriaua*, n. sp., p. 451, plate 27 A, fig. 27, "Bermuda," p. xv.; *Dasychone bairdii*, n. sp., p. 495-497, plates 30 A, figs. 13-15; 39 A, figs. 2, 9, Bermuda only; *Serpula sombreriaua*, n. sp., p. 515-516, plate 31 A, figs. 14, 15, "Bermuda," p. xv.

HUBRECHT, Ambrosius Arnold Willem. Report on the Nemertea collected by H. M. S. Challenger during the years 1873-76. 1886. Pt. 54 (vol. 19). YH (181)

NOTE. — Two new species were taken at Bermuda: — *Cerebratulus truncatus*, n. sp., p. 37-39, plate 1, figs. 11, 12; *Tetrasemma agricola*, Willemoes Suhm [n. sp.], p. 23-25, 1 woodcut. The latter was the only land nemertean procured during the voyage.

ALLMAN, George James. Report on the Hydroida dredged by H. M. S. Challenger during the years 1873-76. 1883. Pt. 20 (vol. 7). YH (182)

NOTE. — "The Challenger also obtained from dredgings off Bermuda a species (*Aglaophenia ramosa*) already described [by the author] in the Report on the Hydroida of the United States exploration of the Gulf Stream"; *Memoirs of the MUSEUM OF COMPARATIVE ZOOLOGY AT HARVARD COLLEGE*, vol. 5, no. 2, [1877], p. 3.

ALLMAN, George James. Report on the Hydroida dredged by H. M. S. Challenger during the years 1873-76. Part II.—The Tubularinæ, Corymorphinæ, Campanularinæ, Sertularinæ, and Thalomophora. 1888. Pt. 70 (vol. 23). YH (183)

NOTE. — Two new species were taken at Station 30, off Bermuda, in 30 fathoms: — *Campanularia insignis*, n. sp., p. 19-20, plate 9, figs. 1, 2, Bermuda only; *Desmoscyphus gracilis*, n. sp., p. 71-72, plate 34, figs. 2-2c, Bermuda only. See also p. lxii.

MOSELEY, Henry Nottridge. Report on certain Hydroid, Alcyonarian, and Madreporian Corals procured during the voyage of H. M. S. Challenger, in the years 1873-76. 1880. Pt. 7 (vol. 2). YH (184)

NOTE. — Seven species of Deep-Sea Madreporaria were procured at Bermuda. At Station 33, in 435 fathoms: — *Caryophyllia cylindracea*, Reuss (?), p. 138; *Axohelia dumetosa*, Duch., p. 182; *Cladocora arbuscula*, Milne-Edwards and Haime, p. 184. At Station 36, in 32 fathoms: — *Bathyaetis symmetrica*, Moseley, p. 186-188, plate 11 [not 10], figs. 8, 8a, 9, 9a, and 2 woodcuts. At Station 56, in 1075 fathoms: — The last named and *Deltoecanthus italicus*, Milne-Edwards and Haime, p. 145-147, 4 woodcuts. At Station 57, in 600 fathoms: — *Caryophyllia communis*, Moseley, p. 135-138, plate 1, figs. 4, 4a, 5, 5a and 1 woodcut. On S.W. Bank, in 30 fathoms: — *Madracis asperula*, Milne-Edwards and Haime, p. 182.

QUELCH, John Joseph. Report on the Reef-Corals collected by H. M. S. Challenger during the years 1873-76. 1886. Pt. 46 (vol. 16). YH (185)

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NOTE.—Twenty-five species of corals were collected at Bermuda—23 species of True Corals and 2 of Hydrocorals—of which one was new to science:—*Oculina coronalis*, n. sp., p. 49-50, plate 1, figs. 6-6c, Bermuda only; *O. speciosa*, Milne-Edwards and Haime, p. 50-51, Bermuda only; *O. varicosa*, Lesueur, p. 48-49; *O. pallens*, Ehrenberg, p. 48, Bermuda only; *O. diffusa*, Lamarck, p. 47-48; *O. bermudensis*, Duchassaing and Michelotti, p. 51-52, Bermuda only; *Madracis decactis*, Lyman (= *Pentalophora decactis*), p. 53, Bermuda only; *Isophyllia strigosa*, Duchassaing and Michelotti (= *I. rigida*, Verrill), p. 82-83, Bermuda only; *I. fragilis*, Dana, p. 84, Bermuda only; *I. dipsacea*, Dana, p. 84-85, Bermuda only; *I. australis*, Milne-Edwards and Haime, p. 84, Bermuda only; *I. cylindrica*, Duchassaing and Michelotti, p. 86, Bermuda only; *I. knoxi*, Duchassaing and Michelotti, p. 86-87, Bermuda only; *I. marginata*, Duchassaing and Michelotti, p. 85-86, Bermuda only; *Meandrina strigosa*, Dana, p. 92-94, Bermuda only; *M. sinuotissima*, Milne-Edwards and Haime, p. 91-92, Bermuda only; *M. labyrinthica*, Ellis and Solander, p. 91, Bermuda only; *Diploria cerebriformis*, Lamarck, p. 90, Bermuda only; *Astraea ananas*, Ellis and Solander, p. 93, Bermuda only; *A. coarctata*, Duchassaing and Michelotti, p. 93-99, Bermuda only; *Siderastraea galaxea*, Ellis and Solander, p. 113, Bermuda only; *Agaricia fragilis*, Dana, p. 117; *Portia clavaria*, Lamarck, p. 179, Bermuda only; *Millepora alticornis*, Linnaeus, p. 190-191; *M. ramosa*, Pallas, p. 192-193, Bermuda only. *Oculina coronalis* and *O. bermudensis* are, at present, only known from Bermuda."

The following forms are also known to occur at Bermuda:—*Oculina valenciennesi*, Edwards and Haime; *Lithophyllia cubensis*, Edwards and Haime; *L. lacera*, Pall (= *L. argemone*, Duchassaing and Michelotti); *Isophyllia multilamella*, Duchassaing and Michelotti (= *Lithophyllia multilamella*, Duchassaing and Michelotti); *Isophyllia spinosa*, Edwards and Haime; *Millepora carthaginiensis*, Duchassaing and Michelotti. See also, vol. 1, first part, p. 145-146, of *Narrative of the Cruise of H. M. S. Challenger*, for a note on the reef-corals, contributed by Quelch, in which twenty-three species are given besides two Hydroid corals.

HERTWIG, Richard. Report on the Actinaria dredged by H. M. S. Challenger during the years 1873-76. 1882. Pt. 15 (vol. 6). YH (186)

NOTE.—At Bermuda a colony of the *Zoanthus* was taken, but the author did not give it any specific name. It is entered as follows:—*Zoanthus*, sp. (?), p. 111-116, plate 14, figs. 1-4, 6.

HERTWIG, Richard. Report on the Actinaria dredged by H. M. S. Challenger during the years 1873-76. Supplement. 1888. Pt. 73 (vol. 26). YH (187)

NOTE.—Five species were taken at Bermuda, two of which were new. On the reef:—*Ilyanthopsis*, n. gen. *longifilis*,* n. sp., p. 13-14, plate 2, fig. 2, Bermuda only; *Zoanthus danei* (?), Le Conte, p. 36, plate 1, fig. 1, Bermuda only; *Corticifera lutea*,* Quoy and Gaimard, p. 44-45, plate 1, fig. 6, Bermuda only. At Station 56, in 1075 fathoms:—*Amphianthus*, n. gen. *ornatum*,* n. sp., p. 26-28, plate 1, fig. 8. Another Amphianthid was taken at the same station (56) "externally so little characterized that I decided not to describe it."—p. 28.

WRIGHT, Edward Perceval, and STUDER, Theophil. Report on the Alcyonaria collected by H. M. S. Challenger during the years 1873-76. 1889. Pt. 64 (vol. 31). YH (188)

NOTE.—Five species were obtained at Bermuda, two of which were new. At Station 56, in 1075 fathoms:—*Acanella simplex*, Verrill, p. 32, 279, plate 9, fig. 5, Bermuda only; *Symphodium armatum*, n. sp., p. 272-273, 293, plate 43, figs. 11,

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Challenger expedition. ZOÖLOGY. (Continued.)

12, Bermuda only. At Bermuda, in shallow water:—*Plexaura valenciennesi*, n. sp., p. 137-138, plate 33, fig. 1, Bermuda only; *Pseudoplexaura crassa*, Ellis and Solander, p. 142-143, plate 33, fig. 3, Bermuda only. At moderate depths, off the Bermudas:—*Gorgonia flabellum*, Linn., p. 153, Bermuda only.

STUDER, Theophil. Supplementary Report on the Alcyonaria collected by H. M. S. Challenger during the years 1873-76. 1889. Pt. 81 (vol. 32). YH (189)

NOTE.—Station list giving same species as in the preceding report (Pt. 64, vol. 31).—p. 17.

POLÉJAEFF, Nicolai. Report on the Calcareo dredged by H. M. S. Challenger during the years 1873-76. 1883. Pt. 24 (vol. 8). YH (190)

NOTE.—Nine species were procured at or near Bermuda, eight of which are new. At Station 36, in 32 fathoms:—*Sycon arcticum*, Hæckel, sp., "var. *maximum*, H.", p. 40-41, plate 3, fig. 5; *Heteropogma*, n. gen. *nodus gordii*, n. sp., p. 45-46, plates 1, fig. 7; 4, figs. 1a-1d; *Leucilla uter*, n. sp., p. 53-54, plate 6, figs. 2a-2f; *Leuconia multiformis*, n. sp., var. *goliath*, p. 54-56, plates 1, fig. 8; 6, figs. 3a-3c; 7, figs. 1a-1h; *L. multiformis*, n. sp., var. *amorpho*, p. 55, plates as above; *L. typica*, n. sp., var. *tuba*, Bermuda only; *L. typica*, n. sp., var. *massa*, p. 56-57, plate 7, figs. 2a-2c, Bermuda only; *L. rudifera*, n. sp., p. 58-59, plate 7, figs. 3a-3c, Bermuda only; *L. dura*, n. sp., p. 65-66, plates 2, fig. 3; 7, figs. 7-7a'''.
7-7a'''.

SCHULTZE, Franz Eilhard. Report on the Hexactinellida collected by H. M. S. Challenger during the years 1873-76. 1886-87. Pt. 53 (vol. 21). YH (191)

NOTE.—Eight species were taken at Bermuda, of which five were new. At Station 33, in 435 fathoms:—*Lefroyella*, n. gen. *decora*, n. sp., Wyville Thomson, p. 301-304, 394, plate 82. At Station 56, in 1075 fathoms:—*Euplectella* (?) *nodosa*, n. sp., p. 82-84, 367, plate 14, figs. 1-5, Bermuda only; *Rhabdodictyum delicatum*, O. Schmidt, p. 107-108, plate 20, Bermuda only; *Aulocalyx*, n. gen. *irregularis*, n. sp., p. 174-176, plate 60; *Farrea*, sp. (?), p. 288-289, plate 76, figs. 4, 5; *Aphrocallistes bocagei*, Wright, p. 313-317, plates 83; 84, figs. 1-8; *Chonelasma*, n. gen. *lamella*, n. sp., p. 397; *Dactylocalyx* (?) *patella*, n. sp., p. 350, 403, plate 100. Station list, p. 428.

SOLLAS, William Johnston. Report on the Tetractinellida collected by H. M. S. Challenger during the years 1873-76. 1887-88. Pt. 63 (vol. 25). YH (192)

NOTE.—Three species were taken at or near Bermuda, two of which were new. At Station 33, in 435 fathoms:—*Azorica pfeifferæ*, Carter, p. 319-323, plate 36, Bermuda only. At Station 56, in 1075 fathoms:—Same as above and *Isops pachydermata*, Sollas [n. sp.], p. 236-237, Bermuda only. A third species, new, was also procured at Bermuda, conditions not given:—*Pilochrota* [n. gen.] *tenuispicula*, Sollas [n. sp.], p. 127-128, plate 15, figs. 28-32, Bermuda only. Station list, p. 355. See also Index.

RIDLEY, Stuart Oliver, and DENDY, Arthur. Report on the Monaxonida collected by H. M. S. Challenger during the years 1873-76. 1887. Pt. 59 (vol. 20). YH (193)

NOTE.—A single new species was procured at Bermuda:—*Tedania digitata*, var. *bermudensis*, nov., p. 51. The locality of three species was in doubt, owing to confusion in the

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labels, which read:—"Off Babia" (inside label); "off Bermuda, shallow water" (outside label). They were as follows:—*Pachychalina fibrosa*, Ridley and Dendy, p. 21-22, plate 4, figs. 3, 4; *Rizochalina fistulosa*, Bowerbank, sp., p. 32-33, plates 8, figs. 2, 2a; 9, fig. 4; *Oceanapia robusta*, Bowerbank, sp., p. 36-37, plate 9, fig. 3.

POLÉJAEFF, Nicolai. Report on the Keratosa collected by H. M. S. Challenger during the years 1873-76. 1884. Pt. 31 (vol. 11). Y^H (194)

NOTE.—One species was procured off Bermuda, on the reefs:—*Verongia hirsuta* (?), Hyatt, p. 70-71, plate 10, figs. 1-3, Bermuda only. See also p. 73.

HAECKEL, Ernst. Report on the Radiolaria collected by H. M. S. Challenger during the years 1873-76. 1885-87. 2 vols. of text and 1 vol. of plates. Pt. 40 (vol. 18). Y^H (195)

NOTE.—The following fossils were reported "in the Tertiary rocks of Bermuda":—*Cypassis entomocora*, Haeckel, p. 367; *Cannartidium amphisiphon*, Haeckel, p. 374. The following living species are reported from the same locality:—*Cycladophora campanula*, n. sp., p. 1379; *Dictyocha navicula*, Ehrenberg, p. 1559; *D. quadrata*, Ehrenberg, p. 1559; *Cannopilus hemisphaericus*, Haeckel, p. 1569. In this monograph the entire literature of the subject, from 1834 to 1884, is recorded.

BRADY, Henry Bowman. Report on the Foraminifera collected by H. M. S. Challenger during the years 1873-76. 1884. 1 vol. of text and 1 vol. of plates. Pt. 22 (vol. 9). Y^H (196)

NOTE.—Of the many species obtained at Bermuda only 14 are described as from that locality, of which two are new. Of these all but three were secured at Station 33 in 435 fathoms:—*Orbiculina adunca*, Fichtel and Moll, sp., p. 209-210, plate 14, figs. 1-13, exact locality not given; *Orbitolites complanata*, Lamarck, sp., p. 218-220, plate 16, figs. 1-6 (irregular and monstrous specimens), plate 17, figs. 1-6, in coral-sands from Bermuda; *Haplostiche soldanii*, Jones and Parker, sp., p. 318-319, plate 32, figs. 12-18; *Textularia luculenta*, n. sp., p. 364-365, plate 43, figs. 5-8; *T. barrettii*, Jones and Parker, p. 367, plate 44, figs. 6-8; *Clavulina communis*, d'Orbigny, p. 394-395, plate 48, figs. 1-13, off Bermuda; *C. parisiensis*, d'Orbigny, p. 395, plate 48, figs. 14-18; *C. cylindrica*, Hantken, p. 396-397, plate 48, figs. 32-38; *Fronicularia alata*, d'Orbigny, p. 522, plate 65, figs. 20-23—Flabelline variety, plate 66, figs. 3-5; *Cristellaria schloenbachi*, Reuss, p. 539, plate 67, fig. 7; *C. vortex*, Fichtel and Moll, sp., p. 548-549, plate 69, figs. 14-16; *Pulvinulina concentrica*, Parker and Jones, p. 686, plate 105, fig. 1-1c; *P. oblonga*, var. *scabra*, nov., p. 689, plate 106, figs. 8-8c; *Amphistegina lessonii*, d'Orbigny, p. 740-742, plate 111, figs. 1-7, Station 32B. See also p. 83. In part I. of the *Summary of Scientific results*, p. 190-191, is given a list of 41 species of Foraminifera secured at Station 32B; at p. 195-197, 152 species are recorded from Station 33; at p. 198-199, 72 species are recorded as obtained about a mile from the reef; and at p. 199-200, 50 species are given from Station 35C.

VI. SUMMARY OF RESULTS.

MURRAY, John. A Summary of the Scientific Results obtained at the sounding, dredging, and trawling stations of H. M. S. Challenger. First part. 1895. Y^H (197)

NOTE.—The Challenger expedition visited Bermuda twice, the first time from April 3 to April 24, 1873, and the second time from May 28 to June 13, 1873. During the first visit 20 soundings were made at Stations 30 to 37 inclusive, at varying

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Challenger expedition. SUMMARY OF RESULTS. (Continued.)

distances from Bermuda, and in depths of from 32 to 2,650 fathoms. On the return trip 8 soundings were made at Stations 55 to 58 inclusive, the depths varying from 600 to 2,500 fathoms. Animal life was only observed at Stations 30, 32B, 32G, 33, at Bermuda one mile from the reefs, 35C, 36, 55A, 56, 57, in shallow water, and on shore. At Stations 30 and 55A specimens were only secured from the surface. At Stations 32B in 950 fathoms, 33 in 435 fathoms, one mile from the reefs in 200 fathoms, and at 35C, in 1,950 fathoms, the dredge brought to the surface numerous specimens of Diatomaceæ and Foraminifera, besides which only five specimens of Pteropoda were secured. With the exception, therefore, of the 16 pelagic species secured on the surface at Stations 30 and 55, and the 5 specimens of Pteropoda obtained at Stations 32B and 35C, all the rest of the forms of animal life were secured at the remaining stations:—Station 32G, in 265 fathoms, a specimen of the *Ophiocreas tumbricus*; at Station 57, in 690 fathoms, 3 species; at Station 56, in 1,075 fathoms, 36 species; at Station 36, in 32 fathoms, about 53 species of invertebrates and fishes, excluding Protozoa; all other species being taken in shallow water and on shore. It may properly be questioned whether some of these deep-sea species ought to be included in the Bermudian fauna. As it is not impossible that other expeditions may at some future time visit this locality for the purpose of making deep-sea explorations, I have thought best to include the species under consideration. A full account of the stations with the various species secured at each may be found on pages 187-204 and 235-246 of this report, and have been summarized below.

Challenger soundings at and off Bermuda, 1873.

DATE	STATION	SOUNDING	DISTANCE IN MILES FROM BERMUDA	DEPTH IN FATHOMS	NO. OF SPECIES OBTAINED
April 1	30	77	191 miles.	2600	13 gulf weed.
" 3	31	78	53 "	2475	.....
" 3	32	79	26 "	2250	.....
" 3	32A	80	" "	1820	.....
" 3	32B	81	26 "	950	98
" 4	32C	82	off B.	780	.....
" 4	32D	83	" "	380	.....
" 4	32E	84	" "	120	.....
" 4	32F	85	" "	125	.....
" 4	32G	86	" "	265	1
" 4	33	87	E. of B.	435	306
" 17	"	"	1 mile from reef at B.	200	72
" 21	33A	88	off B.	175	.....
" 21	33B	89	" "	640	.....
" 21	34	90	18 miles N. of B.	1370	.....
" 22	35A	91	off B.	2450	.....
" 22	35B	92	" "	2100	.....
" 22	35C	93	W. of B.	1950	54
" 23	36	94	13 miles S. W. of B.	32	53
" 24	37	95	43 miles E. of B.	2650	.....
May 28	55	114	66 miles N. of B.	2500	.....
" 28	55A	115	32 miles N. of B.	1775	3 surface organisms.
" 29	55B	116	off B.	1325	.....
" 29	56	117	E. of B.	1075	36
" 30	57	119	S. W. of B. reef.	690	3
" 30	57A	120	off B.	1250	.....
" 30	57B	121	W. of B.	1575	.....
June 13	58	122		1500	
During visit	"	"	Vicinity of B.	shallow water and on shore	111

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Species obtained at or off Bermuda, and their distribution.

STATION	DIATOMACEÆ	FORAMINIFERA	OTHER	NEW TO SCIENCE	BERMUDA ONLY	TOTAL
30	..	..	13	1	..	13
32B	56	41	1	..	..	98
32G	..	..	1	..	..	1
33	83	152	71	23	19	306
1 mile from B.	..	72	..	..	..	72
35C	..	50	4	..	..	54
36	..	..	53	11	15	53
55A	..	..	3	..	1	3
56	..	..	36	18	9	36
57	..	..	3	..	1	3
Shallow water and on shore.	..	..	111	29	77	111
	139	315	296	82	122	750

Chambers's journal of popular literature, science, and art. Lond. and Edin. 8°.

VISIT to Bermuda, A. *Anon. Poole* vol. 59 (no. 963, June 10, 1882), p. 361-363. *As* (198)

BERMUDAS, The. *Anon. Poole* vol. 67 (no. 350, Sept. 13, 1890), p. 577-580. 1 map. *Ym* (199)

Chautauquan (The). A monthly magazine. Meadville, Pa. 8°.

HONEYMAN, Mary F. Sea-gardens off the Bermudas. Vol. 21 (no. 3, June, 1895), p. 340-342. *Ym* (200)

HONEYMAN, Mary F. Quaint houses in the Bermudas. Vol. 23 (no. 6, September, 1896), p. 749-752. *Ym* (201)

Churchill, Awnsham, and Churchill, John, publishers. Collection of voyages and travels. London. folio.

SMITH, *Captain* John. True travels, adventures, and observations, into Europe, Asia, Africa, and America; 1593-1629. Vol. 2 (1704), p. 371-412. *Yc* (202)
NOTE. — Chapter 22 : Summer Isles ; 1624-1629, p. 401-402.

MONSON, *Sir* William. Naval tracts: in six books. . . . iv. Discoveries and enterprises of the Spaniards and Portuguees; and several other remarkable passages and observations. The whole from the original manuscript; never before published. 1704. Vol. 3 (1704), p. 155-560. *Yc* (203)

NOTE. — At pages 439-440 occurs a short account of the Bermudas, in which is mentioned its discovery and the shipwrecks of Captain Russel, a Frenchman, circa 1560-1570; of Henry May, 1593; and of Sir George Somers, 1609.

HERRERA, Antonio de. A brief description and historical account of the Caribbee Islands in North America, and their present state [being a part of], General ob-

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Churchhill. (*Continued.*)

servations, and an account of the first discovery of America, by Christopher Columbus, from [his] History of the West Indies. Vol. 5 (1732), p. 641-664.

Yc (204)

NOTE.— Gives a description of the Bermudas and their early history, p. 663-664. This is evidently added to Herrera's account by the editors.

Churchill, Awnsham, and Churchill, John, *publishers*. Collection of voyages and travels. 3d Edition., London. folio.

SMITH, Captain John. True travels, adventures, and observations [*etc.*]. Vol. 2 (1744), p. 307-346.

Yc (205)

NOTE.— Summer Isles, p. 336-337.

MONSON, Sir William. Naval tracts [*etc.*, as above]. Vol. 3 (1745), p. 147-508.

Yc (206)

NOTE.— Description, *etc.* of Bermuda, p. 405. Monson makes the following statement, unverified by other historians:—"This island at the beginning was discovered by the *Portuguese* nation, and inhabited by them, till they found little profit accrued from it, and then they abandoned it, . . ."

HERRERA, Antonio de. A brief description . . . of the Carribee Iflands . . . Vol. 5 (1746), p. 641-664.

Yc (207)

NOTE.— Bermudas, p. 663-664. See note above.

Clarke, James Stanier. Naufragia or Historical memoirs of shipwrecks. London. 12^o.

MAY, Henry. Abstract of a brief note of a voyage to the East Indies, begun the 10th of April, 1591. Vol. 1 (1805), p. 131-140.

WL (208)

NOTE.— Contains an account of May's shipwreck "upon the Isle of Bermuda."

STRACHY, William. A true reportory of the wracke, and redemption of Sir Thomas Gates, Knight, vpon, and from the Islands of the Bermudas. Vol. 1 (1805), p. 141-171.

WL (209)

Companion to the British almanac. Published under the superintendence of the Society for the Diffusion of Useful Knowledge. London. 12^o.

Yc (210)

NOTE.— Statistical information about Bermuda is given as follows :

1828. English occupation ; 1609. p. 60.

1829. Slave population 4,608. p. 199.

1832. Population and trade statistics. p. 104-105.

1833. Rum imported from Bermuda. p. 183.

1834. Slaves ; Education. p. 180-181.

1835. Abolishment of slavery. p. 257.

1839. Slaves, 4,026. Appraised value, £175,194. p. 195.

Conchologists' exchange. Philadelphia. sm. 4^o.

JONES, John Matthew. The conchologist in Bermuda. Vol. 2 (no. 9, March and April, 1888), p. 118.

YH (211)

NOTE. This article was "to be continued," but this number was the last issue of this periodical, which was continued as

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the *Nautilus*. The following species are mentioned : — *Littorina muricata* ; *L. dilata* ; *L. scabra* ; *L. ziczac* ; *L. mauritiana* ; *Nerita tessellata* ; *N. peloronta* ; *Turbo pica* ; *Lanthina communis* ; *L. globosa* ; *L. bella* ; *Fissurella badensis* ; *Siphonaria brunnea* ; and *Chiton squamosus*.

Congregational magazine. London. 8°.

B. The songs of the Summer Isles. *Poole* vol. 28 (September, 1845), p. 649-655. A^s (212)

NOTE. — Gives quotations from Waller, Marvel, Bishop Berkeley, and Moore's poems.

The kind spring which salutes us here
Inhabits there, and courts them all the year ;
Ripe fruits and blossoms on the same trees live,
At once they promise what at once they give, —
So sweet the air, so moderate the clime,
None sickly lives, or dies before his time ;
Heaven sure has kept this spot of earth uncurst,
To show how all things were created first !

— From Edmund Waller's *Battel of the Summer Islands*.

Congrès pénitentiaire internationale de Stockholm. Mémoires et rapports. Stockholm. 8°.

BERMUDES ; renseignements fournis par. S. E. M. le gouverneur de cette colonie. Vol. 2 (1879), p. 179-181. A^s (213)

Colburn's United service magazine. See *United service magazine*.

Connecticut academy of arts and sciences. Transactions. New Haven. 8°.

VERRILL, Addison Emory. Notice of the Corals and Echinoderms collected by Prof. C. F. Hartt, at the Abrolhos Reefs, Province of Bahia, Brazil, 1867. Vol. 1 (part 2, February, 1868), p. 351-371. Yc (214)

NOTE. — The following species of Echinodermata are here recorded from Bermuda : — *Ophionereis reticulata*, p. 366 ; *Linckia ornithopus*, p. 367 ; *Asterias Atlantica*, p. 368-369 ; and *Echinometra Micheltini*, p. 369.

VERRILL, Addison Emory. The Cephalopods of the northeastern coast of America. Part 1. The gigantic squids (*Architeuthis*) and their allies. Vol. 5 (part 1, February, 1880), p. 177-257. Yc (215)

NOTE. — A species collected by G. Brown Goode, Dec., 1876, on the north shore of Bermuda, *Sthenoteuthis pteropus* is here described, p. 228-233. It is also figured in plates 27, figs. 7, 7a ; 36, figs. 5, 5a, 6, 7 ; 37, fig. 7 ; and 54, figs. 2, 2a.

VERRILL, Addison Emory. *Same*. Part 2. The smaller Cephalopods, including the "squids" and the octopi, with other allied forms. Vol. 5 (part 2, June, 1881), p. 259-446. Yc (216)

NOTE. — *Sepioteuthis sepioidea*, d'Orb., collected by Goode in 1878, p. 345-346.

PILSBRY, Henry Augustus. The air-breathing Mollusks of the Bermudas. Vol. 10 (part 2, September, 1900), p. 491-509. 1 plate. Yc (217)

NOTE. — Also issued as an author's separate. A general revision of all the known species of land shells. Forty-two

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Connecticut academy of arts and sciences. (Continued.)

species are enumerated. One species, *Limax flavus*, L., taken by Prof. Verrill's party in 1898 has not hitherto been reported from Bermuda. The family of *Zonitidae* contains the only genus of land shells peculiar to Bermuda, the *Pacilozonites bermudensis*, Pfr. The *Melampus redfieldi*, Pfr. was originally described from the Bermudas. Bibliography of the subject, p. 506-509.

GARMAN, Samuel. Additions to the Ichthyological fauna of the Bermudas, from the collections of the Yale Expedition of 1898. Vol. 10 (part 2, September, 1900), p. 510-512. Yc (218)

NOTE.—One new species of fish, *Brosomphycis Verrillii*, and two rare species, *Platygllossus bivittatus*, Bloch, 1791, and *Gobius stigmaturus*, Goode and Bean, 1882, are described in this paper. Also issued as a separate. (Compiler's collection.)

VERRILL, Addison Emory, and BUSH, Katherine J. Additions to the marine Mollusca of the Bermudas. Vol. 10 (part 2, September, 1900), p. 513-544. 3 plates. Yc (219)

NOTE.—This monograph enumerates eighty-seven species, twenty-four of which are new. The latter are as follows:—*Lucina nux*; *Tellina (Angulus)*; *Tornatina decurrens*; *Bulla Bermuda*; *Siphonaria henica*; *Eulima hypsela*; *E. amblytera*; *E. eugonia*; *E. compsa*; *E. atypa*; *Turbonilla valida*; *Odosstomia Jonesii*; *O. lubrica*; *O. (Cyclo-dostomia) didyma*; *O. (Evalea) Somersi*; *Scala electa*; *Cerithiopsis Bermudensis*; *Cæcum tenue*; *C. tornatum*; *C. obesum*; *C. delicatulum*; *C. debile*; *C. crispum*; *Rissoa (Manzonina) minuscula*. One rare form *Petricola (Naraneaio) lapicida* (Gmelin), was taken from borings in dead coral. Two species of *Octopus* were taken in 1898, *O. vulgaris* and *O. Bermudensis* Hoyle = *O. chromatus* Heilprin; also a squid, *Sepioteuthis sepioidea* d'Orb. The following species of Foraminifera, selected from shell-sands, have been identified by Miss Bush:—*Biloculina bulboides*, d'Orbigny; *Miliolina venusta*, Karrer; *M. circularis*, Bornemann; *Orbitolites marginalis*, Lam.; *Orbiculina adunca*, Fichtel and Moll.; *O. universa*, d'Orbigny; and a single specimen of which *Peneroplis arietinus*, Botch is the type. — p. 513.

VERRILL, Addison Emory. The Nudibranchs and Naked Tectibranchs of the Bermudas. Vol. 10 (part 2, September, 1900), p. 545-550. 1 plate. Yc (220)

NOTE.—Ten species are here described, eight of which are new:—*Aplysia megaloptera*; *Pleurobranchopsis*, gen. nov.; *Pleurobranchopsis aurantiaca*; *Coryphella* (?) *pallida*; *Doris* (?) *bistellata*; *D. (?) olivacea*; *Lamellidoris lactea*; *L. (?) quadrimaculata*; *Chromodoris* (?) *roseopicta*. The last two monographs are also issued as a separate. (Compiler's collection.)

VERRILL, Addison Emory. Additions to the Anthozoa and Hydrozoa of the Bermudas. Vol. 10 (part 2, September, 1900), p. 551-572. 3 plates. Yc (221)

NOTE.—The author enumerates thirty-one species of which the following are new:—*Plesiastrea Goodei*; *Phellia rufa*, Verrill; *Bunodeopsis globulifera*; *Zoanthus proteus*; *Protopalychtha*, nom. nov. Type *G. variabilis*, Duerden; *Protopalychtha grandis*; *Palythoa grandiflora*; *Eumicea grandis*. Of Hydrozoa, the only species added to previous lists is the common *Porpita Linnaeana*.

VERRILL, Addison Emory. Additions to the Crustacea and Pycnogonida of the Bermudas. Vol. 10 (part 2, September, 1900), p. 573-582. 1 plate. Yc (222)

Bermuda in Periodical Literature.

NOTE. — Twenty-eight species of Crustacea are given and two new species of Pycnogonida, — no species of the latter group having been hitherto reported from this locality. They are as follows: — *Ammothoea* (?) *rugulosa*, sp. nov., *Ammothella*, subgenus nov. and *Achelia* (?) *gracilis*, sp. nov. The total number of Decapod Crustacea now known is about seventy-five, nearly all of which are also West Indian species.

VERRILL, Addison Emory. Additions to the Echinoderms of the Bermudas. Vol. 10 (part 2, September, 1900), p. 583-587. Yc (223)

NOTE. — Eleven species are enumerated. "The total number of echinoderms now known from the Bermudas is about 40, all of which seem to be identical with West Indian species. . . . The small variety of true starfishes is remarkable, for only four species are known, and two of these are very rare."

VERRILL, Addison Emory. Additions to the Tunicata and Molluscoidea of the Bermudas. Vol. 10 (part 2, October, 1900), p. 588-594. 4 figures and 1 plate. Yc (224)

NOTE. — Seven species of Tunicata are described, of which four are new to science: — *Halocynthia rubrilabia*; *Microcosmus minutus*; *Polycarpa multiphiata*; and *Diazona picta*. Two species of Molluscoidea are given, of which *Barentsia timida* is new. The last four monographs are also issued as one separate. (Compiler's collection.)

VERRILL, Addison Emory. Additions to the Turbellaria, Nemertina, and Annelida of the Bermudas, with Revisions of some New England genera and species. Vol. 10 (part 2, Nov. and Dec., 1900), p. 595-672. 2 figures and 1 plate. Yc (225)

NOTE. — Turbellaria; three species, of which two are new: — *Leptoplana lactoalba*; and *Pseudoceros pardalis*. Nemertina; three species, of which two are new: — *Lineus albocinctus*; and *L. albonasus*.

Of Annelida, the author's collection includes over 110 species. The following new species are recorded: — *Phyllodoce Bermuda*; *Eulalia megalops*; *Syllis* (*Typosyllis*) *corallicola*, var. *lineolata*; *S. grandigularis*; *S. (Typosyllis) catenula*; *S. jugularis*; *S. (Typosyllis) diplomorpha*; *S. (Tetrastyle) sp.*; *S. (Chaetosyllis) sp.*; *S. (Typosyllis) annularis*; *S. (Typosyllis) cincinnata*; Same (stem-form, with a sexual zooid.); *S. (Ehlersia) exigua*; *S. (Ehlersia) nitida*; *Haplosyllis cephalata*; *H. palpata*; *Trypanosyllis attenuata*; *T. fertilis*; *T. tenella*; *Hemisyllis*, gen. nov. *dispar*, sp. nov.; *Opisthosyllis nuchalis*; Same, var. (?) *gularis*; *Eusyllis* (*Synsyllis*) *viridula*; *E. (Synsyllis) longigularis*; *Branchiosyllis lamellifera*; *Desmosyllis longisetosa*; *Odonotosyllis enopla*; *O. Brachydonta*; *Grubeosyllis nitidula*; *G. rugulosa*; *Autolytus (Proceræa) simplex*; *Marphysa regalis*; *Heteromarphysa*, gen. nov. *tenuis*; *Leodice elegans*; *L. stigmatura*; *L. concinna*; *L. tenuicirrata*; *L. unifrons*; *L. margaritacea*; *Lysidice bilobata*; *Paramarphysa obtusa*; *Nematonereis hebes*; *Stauronereis*, nom. nov. *melanops*; *S. erythropis*; *S. polydonta*; *Lumbrineris nasuta*; *Arabella maculosa*; *Aricia setosa*; *Cirratulus (Audouinia) capillaris*; *C. (Audouinia) Websteri* V.; *Enclymene* V., nom. nov. *coronata*; *Clymenella (Axiothella, sub-gen. nov.) Somersi*; *Eupolymnia*, nom. nov. (*Polymniella*, sub-gen. nov.) *aurantiaca*; *Streblosoma (Eugrymæa, sub-gen. nov.) polybranchia*; *Protothelopus*, gen. nov. *tenuis*; *Nicolea modesta*; *Loimia Bermudensis*; *Polycirrus corallicola*; *P. pennulifera*; *P. luminosus*; *Sthenelais setosa*, Bush., sp. nov.; *Chrysopetalum elegans*, Bush., sp. nov.; *Aspidosiphon spinulosum*; and *Golfingia elongata*. Also issued as a separate. (Compiler's collection.)

Bermuda in Periodical Literature.

Contributions to ornithology. London. 8°.

JARDINE, Sir William, Bart. Ornithology of the Bermudas. Vol. for 1849, p. 76-87; vol. for 1850, p. 5-14, 35-38, 67. YH (226)

NOTE.—Gives lists of birds furnished by Lieutenant Wedderburn and Rev. H. B. Tristram, supplemented by the observations of Captain Drummond and Mr. Hurd. "Mr. Tristram, [who lived in Bermuda three years], printed a list in the islands, of all the birds that had occurred to his notice in 1847,"—p. 77. The lists here given comprise constant residents, 8 species; summer residents, 3 species; autumnal and winter visitants, 88 species (revised to 84); vernal visitants, 3 species; accidental stragglers from the Eastern Hemisphere, 3 species; and doubtful, 5 species. In 1849, twenty species were added and in 1850 one. Supplementary remarks mention respectively 13 and 10 species.

Cornhill magazine, The. London. 8°.

ON the origin of Shakspeare's "Tempest." Anon. Vol. 26 (no. 154, October, 1872), p. 407-423. BnL (227)

NOTE.—The Bermuda theory is given on pages 414-418.

Curtis's Botanical Magazine. See **Botanical Magazine (The).**

Cutler, Nathaniel. General coasting pilot. London, 1728. folio.

SAILING directions for the Islands of Bermudas. p. 135. BnL (228)

NOTE.—This work is the second part or volume of the "Atlas maritime & commercialis," published by James and John Knapton.

Dana, James Dwight. Corals and coral islands. New York (Dodd & Meade), 1872. (2d edition, 1874.) 8°. 398 pp. Yc (229)

NOTE.—Structure of the Bermuda Islands [with map], p. 218-221, 183; former extent, p. 370; and caverns, p. 361. A list of corals, furnished by Prof. A. E. Verrill, comprising 17 species, is given on p. 114.

Demorest's family magazine. New York. 8°.

WELCH, J. Herbert. Bermuda the beautiful. Vol. 32 (no. 394, April, 1896), p. 322-328. 13 illustrations. (230)

Deutschen Malakozoologischen Gesellschaft der Jahrbücher. Frankfurt am Main. 8°.

KOBELT, W. Die geographische Verbreitung der Mollusken. III. Die Inselfaunen. Siebenter Jahrgang (1880), p. 241-286. PA (231)

NOTE.—The Mollusks of Bermuda are discussed on p. 257-258 and a list of 20 species is given on p. 286.

Dictionnaire encyclopédique des sciences médicales. Directeur: A. Dechambre. Paris. 8°.

LE ROY DE MÉRICOURT, A. Bermudes (en espagnol *Bermudas*, appelées aussi îles *Somers*). Tome 9 (1868), p. 168-177. YN (232)

NOTE.—There is also an edition bearing the date 1876. A short bibliography is appended to this article.

Nevves from *Virginia*.

20 The lost Flocke
Triumphant.

With the happy Arriuall of that famous and
worthy Knight Sr. *Thomas Gates*: and the well
reputed & valiant Captaine Mr. *Chri-*
stopher Newporte, and others,
into England.

g With the maner of their distresse in the
Iland of Devils (otherwise called *Bermoothawes*)
where they remayned 42. weekes, & builded
two Pynaces, in which they returned
into *Virginia*.

By *R. Rich*, Gent. one of the Voyage.



L O N D O N

Printed by *Edm: Allde*, and are to be solde by *John*
Wright at Christ-Church dore. 1610.

TITLE-PAGE OF RICH'S NEVVES FROM VIRGINIA; LONDON, 1610.
See No. 127.

Bermuda in Periodical Literature.

Disturnell, J. Influence of climate in North and South America. New York (D. Van Nostrand), 1867. 8°. 334 pp. Y^G (233)

NOTE.—Bermuda—Gulf stream, p. 273-275. Bermuda grass, p. 202.

Dublin review, The. London. 8°.

BERMUDA. *Anon.* *Poole* vol. 76 (no. 47, January, 1875), p. 153-169. A^S (234)

NOTE.—A review of several pamphlets and articles on Bermuda. Among the subjects treated are the following: Discovery and climate of the Bermudas, p. 154-157; Their scenery and soil, p. 157-159; Animal life, p. 159-161; Causeway, p. 161; Geological history of the Bermudas, p. 161-166.

Dublin University magazine, a literary and political journal. Dublin and London. 8°.

O'BRIEN, H. Recollections of Bermuda. Vol. 76 (no. 452, August, 1870), p. 223-228. A^S (235)

NOTE.—Personal recollections of Bermuda during the days of blockade-running, as follows: Location of the Bermudas; Scenery; Population; Negroes; First blockade-runner; Increase of business; Yellow fever.

Economic studies. Published by the American Economic Association. New York. 8°.

[DOUGLASS, William.] Discourse concerning the currencies of the British plantations in America. Vol. 2 (no. 5, October, 1897), p. 291-355. A^S (236)

NOTE.—Originally published anonymously in London in 1739. Bermuda's observance of the Proclamation Act is noted at p. 301-302 and 318. Commenting on this, the editor, Charles J. Bullock, says "On p. 302 Douglass had said that Bermuda observed the Parliamentary act of 1707. This was not altogether accurate, for Bermuda evaded the act by adopting a gold standard. Yet silver was rated at the proclamation rate of 6s. 10 1-2d. per ounce, so that there is a basis for the author's statement."—p. 318-319 *note*.

Eden, Richard. First three English books on America; edited by Edward Arber. Birmingham, 1885. 4to.

OVEDO Y VALDES, Gonzalo Fernandez. The natural history of the West Indies. First printed in 1526. Section 2, p. 205-242. A^S (237)

NOTE.—At page 233 (original edition, p. 203) is found the earliest description of the discovery of Bermuda. This passage is quoted in full in LEFROV'S *Memorials of the Bermudas*, vol. 1, p. 2-3.

Edinburgh cabinet library. Edinburgh. 16°.

MURRAY, Hugh. An historical and descriptive account of British America; comprehending Canada, Upper and Lower, Nova Scotia, New Brunswick, Newfoundland, Prince Edward Island, the Bermudas, and the Fur Countries. Vol. 25-27 (Edin. and Lond., 1839). A^S (238)

NOTE.—A description of the "Bermudas" occupies pages 329-356 of volume 2. The author cites numerous authorities for his statements.

Edinburgh medical and surgical journal. Edinburgh. 8°.

DONNELLY, William. Statistical and tabular returns on the diseases observed during three years [March, 1827

Bermuda in Periodical Literature.

Edinburgh medical and surgical journal. (*Continued.*)

to July, 1830] on the coast of North America and at Bermuda in the West Indies. Vol. 39 (January, 1833), p. 1-19. AS (239)

NOTE.—In addition to tabular returns of diseases, there is, on p. 3, a "Summary of Registers of the Weather, Temperature, etc., kept at Bermuda."

Edinburgh new philosophical journal. Edinburgh. 8°.

REID, Sir William. On the winds, as influencing the tracks sailed by Bermuda vessels; and on the advantages which may be derived from sailing on curved courses, when meeting with progressive revolving winds. Vol. 41 (no. 81, July, 1846), p. 192-194.

YA (240)

NOTE.—This article is dated at "Government House, Bermuda, 21st March, 1846," and contains observations on revolving gales and winds, with sailing directions for vessels bound from Bermuda to New York, from New York to Bermuda, between Halifax and Bermuda, from Barbadoes or neighboring West India islands to Bermuda, and from England to Bermuda. It was reprinted in several editions of BLUNT'S *American Coast Pilot*.

Edinburgh review. Edinburgh. 8°.

HORRORS (The) of the negro slavery existing in our West India islands. [A review.] Vol. 7 (no. 13, October, 1805), p. 244-248. Yc (241)

NOTE.—Mentions (p. 245 *note.*) a law passed in Bermuda entitled: "An act for the security of the subject, to prevent the forfeiture of life and estate upon killing a negro or other slave," in which the penalty is fixed at £10.

WHAT is to be done with our criminals? Vol. 86 (no. 173, July, 1847), p. 214-272. Yc (242)

NOTE.—The statistics of crime in Canada and Bermuda, notwithstanding the importation of criminals, show that "the average of offences to the population is nearly the same as in England."—p. 271.

TRANSPORTATION as it now is. [Review of several works.] Vol. 90 (no. 181, July, 1849), p. 1-39.

Yc (243)

NOTE.—Gives some glimpses of the convict life in Bermuda, where there were four frigates and a hospital ship with accommodations for 1,750 men employed on the dock-yard and fortifications, and other ordnance work. An account is also given of the successful introduction of rewards for piece-work.

COLONIAL POLICY (The) of Lord John Russell's administration. By Earl Grey. [A review.] Vol. 98 (no. 199, July, 1853), p. 62-98. Yc (244)

NOTE.—Bermuda mentioned, p. 88.

Electrical engineer. A weekly review of theoretical and applied electricity. New York. 4°.

BOGART, A. Livingston. Electrical matters in the Bermudas. Vol. 9. (no. 109, June 4, 1890), p. 419-420.

Yc (245)

NOTE.—This article gives a description of the Halifax-Bermuda cable. See also pages 418 and 421 for notices in connection with the laying of the cable under Mr. Joseph Rippon's direction. On page 326 of the same volume is the announcement of Mr. Rippon's arrival in Bermuda and his selection of a landing place for the Bermuda end.

Bermuda in Periodical Literature.

English cyclopædia conducted by Charles Knight. First Division; Geography. London. 4°.

BERMUDAS, or Sommers' Islands. Vol. 1, column 1048-1049. Y^G (246)

NOTE.—A well-written article. It incorrectly calls St. George the capital instead of Hamilton. See also other Encyclopædias, notably the Encyclopædia Britannica, various editions; Rees Cyclopædia; Encyclopédie Moderne; La Grande Encyclopédie; Encyclopédie des Gens du Monde; etc.

English pilot. The fourth book. Describing the West India navigation. London. folio.

MOUNT, W., and J., PAGE, T., and SON. A Description of Bermudas (or the Summer-Islands). (1758), p. 49. Y^G (247)

NOTE.—Other editions of this work appeared in 1742 and 1764.

English scholar's library. Edited by Edward Arber, Birmingham. sm. 8°.

SMITH, Capt. John. Generall historie of Virginia, New England, and the Summer Isles. 1624. No. 16 (1884), p. 273-692. H^B (248)

NOTE.—The Fifth book. The General history of the Bermudas; 1593-1623, p. 623-688.

— Same. 2 vols.; paged continuously. No. 16 (1895). p. 273-692. H^B (249)

NOTE.—Fifth book [etc.], vol. 2, p. 623-688.

SMITH, Capt. John. The true travels, adventvres, and observations. No. 16 (1884), p. 805-916. Y^C (250)

NOTE.—Chapter 22; Summer Isles; 1624-1629, p. 889-890.

— Same. 2 vols.; paged continuously. No. 16 (1895), p. 805-916. Y^C (251)

NOTE.—Chapter 22; Summer Isles; 1624-1629, vol. 2, p. 889-890.

Entomological society of Ontario. Twenty-fifth annual report. Toronto. 8°.

GEDDES, Gamble. Insects collected in Bermuda during the winter of 1894. (1894), p. 25-27. Y^C (252)

NOTE.—The writer spent four months in Bermuda beginning January, 1894. The article includes the names of many food-plants of insects. The following insects were captured: *Danaïa Archippus*; *Junonia Cænia*; *Sphinx (Plegethontius) Cingulata*; *S. Chærocampa (Deilonche, Grote) Tersa*; *Eudiotis hyalinata* Linneus; *Nomophila noctuella*; *Botis adipaloides*; *Polistes pallipes*, and housefly, mosquito, katydids and grasshoppers. Numerous specimens (unidentified) were taken by the writer. "The spiders would give entertainment to any enthusiast for months, for their name is legion."—p. 27.

Entomologist. London. 8°.

JONES, John Matthew. An immense flight of small butterflies (*Terias Lisa*), in the Bermudas. Vol. 9 (no. 153, March, 1876), p. 54-58. P^A (253)

NOTE.—The flight of butterflies, here recorded, took place October 1, 1874.

Ersten Deutschen Geographentages zu Berlin. Verhandlungen. Berlin. 8°.

REIN, J. J. Die Bermudas-Inseln und ihre Korallenriffe, nebst einen Nachtrage gegen die Darwin'sche Senkungstheorie. Vol. for 1882 (7. und 8. Juni 1881), p. 29-46. C^H (254)

Bermuda in Periodical Literature.

[Estlacke, Francis, *and others.*] A | Bermudas Preacher
| Proved a | Persecutor | Being a JUST | Tryal | of |
Sampson Bond's Book, | entituled, | A Publick Tryal of
the Quakers, &c. | . . . London. 4°.

ESTLACKE, Francis. To the Inhabitants of these Ilands
| Bermudas: | A Testimony for the Truth and People
of God | called Quakers, . . . 11th of the 3d Month,
1678. (1683), p. 1-9. Wt (255)

WILKINSON, William. Some few Lines briefly Answer-
ing some | Part of SAMPSON BONDS Book, . . . |
. . . | [signed] Bermudas the 1st | Month, 1683. |
. . . | (1683), p. 10-18. Wt (256)

R., R. A Brief | Touch | of the | Deceit | and Falfe
Doctrine | of | Sampson Bond | [signed] R. R.
(1683), p. 19-27. Wt (257)

TYSOE, John. Something further in answer to | Priest
Bond's | Lyes, Ignorance and Blasphemy, | . . . | . . .
| . . . [signed] John Tyfoe. (1683), p. 29 [28]-44.
Wt (258)

ESTLACKE, Francis. The | Truth | of | Chrif Jesus, |
with the Professors thereof in the Island of | Bermu-
das | (Commonly called Quakers) | Cleared from the
Three Ungodly Falfe | Charges charged upon them
by Samp. Bond (Teacher | in the said Island) in a
Book, Entituled, | The Quakers in Bermudas Tryed,
etc. | . . . (1683), p. 45-92. Wt (259)

NOTE.—Following this is an appendix (separately paged, 1-38),
probably by the same hand. Both Sampson Bond's book
and this reply are exceedingly rare. A copy of the former
is in the library of the Massachusetts Historical Society; the
reply is in the Library of Congress. Both may be found in
the John Carter Brown Library, at Providence.

Evening Post, The. New York. folio.

BERMUDA lilies in the South. February 3, 1900, p. 13,
col. 6. (260)

BERMUDA experimental station. [Correspondence.]
March 9, 1900, p. 7, col. 4. (261)

EXTENSION of Time for ratifying Reciprocity Treaties
between the United States and the British West In-
dian Islands.] March 17, 1900, p. 19, col. 5. (262)

EXPECTING Boer prisoners. Plans for their reception at
Bermuda. April 29, 1901, p. 2, col. 4. (263)

ARRIVAL of Boers at the Bermudas. June 28, 1901, p.
1, col. 1. (264)

ORDERED to guard prisoners at Bermuda. November 6,
1901, p. 2, col. 7. (265)

AID for the Boers in Bermuda. November 25, 1901, p.
2, col. 1. (266)

TROOPS from Halifax for Bermuda. December 2, 1901,
p. 3, col. 2. (267)

GIFTS of clothes and candy for Boer prisoners. Decem-
ber 9, 1901, p. 3, col. 2. (268)

Bermuda in Periodical Literature.

- MORE Boers at Bermuda. Arrival of a British Transport with 300 Prisoners on Board. December 20, 1901, p. 1, col. 4. (268a)
- HYMN-BOOKS for Boer Prisoners. January 4, 1902, p. 22, col. 2. (268b)
- BOER Prisoners not in need of clothing. January 13, 1902, p. 3, col. 2. (268c)
- Field Columbian Museum. Publications; Chicago. 8°.
- MILLSPAUGH, Charles Frederick. *Plantæ Utowanæ*. Plants collected in Bermuda, Porto Rico, St. Thomas, [etc.]; December, 1898 to March, 1899. Publication 43; Botanical Series, vol. 2, no. 1. 110 pp. and cover title. 1 map. YH (269)
- NOTE.—Part I.—Catalogue of the species.
Part IA.—Publication 50; Botanical series, vol. 2, no. 2, p. 111–135. Reconsideration of the Cyperaceæ. Reconsideration of Cakile.
Part II. (*not yet published*)—To contain a detailed account of the work and observations made of existing conditions at each locality, including plates and indices.
In four different localities in Bermuda, one hundred and thirty-nine specimens were collected, December 28–31, 1898.
- Force, Peter, *compiler*. Tracts and other papers. Washington. 8°.
- NEW LIFE (The) of Virginea: declaring the former successes and present estate of that plantation, being the second part of NOVA BRITANNIA. 1612. vol. 1, (1836 [1835]), no. 7. 24 pp. AS (270)
- NOTE.—A reprint of a very rare pamphlet, in which there is a reference (p. 9–10) to the shipwreck and escape of Sir Thomas Gates and Sir George Sommers. The author (Robert Johnson), in his preface, complains that nothing in his day, except it be the name of God, was so depraved, traduced, and derided as the name of Virginia.
- TRUE DECLARATION of the estate of the colonie in VIRGINIA, . . . 1610. vol. 3 (1844), no. 1. 27 pp. AS (271)
- NOTE.—“Contains probably the earliest notice of the Bermudas printed in England.”—“LEFROY's *Memorials*, vol. 2, p. xi. The passage referred to occurs at p. 10–12 and is quoted in full by LEFROY, vol. 1, p. 12–14.
A copy of the original published at “LONDON | Printed for William Barret, and are to be sold | at the blacke Beare in Pauls Church-yard. | 1610. |” is in the Lenox Library.
- A PLAINE | DESCRIPTION | of the Barmvdas, | now called Sommer | Islands. | With the manner of their discouerie | ANNO 1609, by the shipwrack and admirable deliuerance | of Sir *Thomas Gates*, and Sir *George Sommers*, . . . 1613. vol. 3 (1844), no. 3. 24 pp. AS (272)
- NOTE.—“This publication calls itself [in the address ‘To the Readers’] the first book published to the world touching Sommer Islands, which, as Mr. Henry Stevens has pointed out, must have reference only to the recent adoption of that name. It is substantially a reprint of the ‘Discovery of the Bermudas’ [by Sil. Jourdan].” LEFROY, vol. 2, p. xii. Reprinted in LEFROY, vol. 1, p. 14–21; 63–64; 66–72.

Bermuda in Periodical Literature.

Force, Peter. (*Continued.*)

A | DECLARATION | OF THE STATE of | the Colonie and
Affaires | in Virginia: | . . . 1620. vol. 3 (1844),
no. 5. Y^c (273)

NOTE.—A reference to the Summer Islands will be found at
p. 9.

France—Dépot Général de la Marine. Publications. Paris.
8°. and 4°.

KERHALLET, Charles Philippe de. Manuel de la Navi-
gation dans la Mer des Antilles et dans le Golfe du
Mexique. 2 vols. 1853-54. Y^A (274)

NOTE.—Les îles de Bermudes, vol. 1 (1853), p. 501-520. Îles
de Bermudes [5 vues], vol. 2 (1854), planche 34. In vol. 1,
the author refers to many sources from which he has borrowed
his materials.

KERHALLET, Charles Philippe de. Considérations
générales sur l'Océan Atlantique [etc]. 3e éd. 1854.
[xvi.] + 226 pp. + 1 l. and cover title. Pa^B (275)

NOTE.—Temperature et ouragans ou vents aux îles de Ber-
mudes, p. 55-57; Octobre 10, 1780, p. 65; Observations
générales pour les atterrages sur les îles de Bermudes, p.
139-144; Other references, p. 53, 114, 151, 152, 170, and 171.

Frank Leslie's popular monthly. New York. 4°.

MATTISON, J. B., M.D. The Bermudas. Vol. 37 (no. 4,
April, 1894), p. 404-411. 9 illustrations; 1 map.
Y^M (276)

Fuller worthies' library. Edited by the Rev. Alexander
Grosart. St. George's, Blackburn, Lancashire. 16°.

BROOKE, Fulke Greville, 1st Baron. Celica in CX.
sonnets; and The poem-plays. Vol. 3 (1870.) As (277)

NOTE.—Sonnet LX., p. 68-69, which originally appeared in
the author's "Certaine Learned and Elegant Workes," pub-
lished in London in 1633, contains the following allusions to
Bermuda:—

Who euer sailes neere to Bermuda coast,
Goes hard aboard the monarchy of Feare
Where all desires—but life's desire—are lost:
For wealth and fame put off their glories there.

Yet this ile poyson-like, by mischief knowne,
Weanes not Desire from her sweet nurse, the sea;
But vnseene showes vs where our hopes be sowne,
For, who will seeke the wealth of westerne sunne,
Oft by Bermuda's miseries must runne.

DONNE, John. The Storme. To Mr. Christopher Brook,
from the Island Voyage with the Earl of Essex. Vol.
2 (1873), p. 3-7. Y^c (278)

NOTE.—This poem originally appeared in the quarto edition
of 1633. It contains the following couplet alluding to Ber-
muda:—

"Compard to these stormes, death is but a qualm
Hell somewhat lightsome, the Bermudas calm."

MARVELL, Andrew. Bermudas. Vol. 1 (1872), p. 82-
84. As (279)

NOTE.—This poem originally appeared in the folio edition of
1681, p. 10-11.

Galaxy (The). An illustrated magazine of entertaining
reading. New York. 8°.

Bermuda in Periodical Literature.

- [HALLOCK, Charles.] Bermuda and the blockade. Vol. 3 (April 15, 1867), p. 890-899. A^s (280)
NOTE.—This article gives a vivid account of the feverish times during the Civil War when St. George's was the headquarters of the blockade runners plying between that port and Wilmington, N. C.
 It subsequently reappeared with twenty-three lines of new introductory matter, in *The New England Magazine* for May, 1892.
- Garden (The)**; an illustrated weekly journal of horticulture in all its branches. London. 4^o.
- CARMAN, E. S. Bermuda grass. Vol. 22 (no. 571, October 28, 1882), p. 380. Y^B (281)
NOTE.—Answer to a query asking where seed of the Bermuda grass could be procured.
- BERMUDA lily. Vol. 28 (no. 713, July 18, 1885), p. 72. Y^B (282)
- P., H. *Lilium longiflorum*. Vol. 30 (no. 768, August 7, 1886), p. 124-125. 1 *plate*. Y^B (283)
NOTE.—This is known as the Bermuda lily.
- CROOK, J. Bermuda lily. Vol. 31 (no. 813, June 18, 1887), p. 561. Y^B (284)
- SCOTUS, *pseud.* The Bermuda buttercup. Vol. 47 (no. 1231, June 22, 1895), p. 447. Y^B (285)
NOTE.—The *Oxalis cernua*, which has numerous large and pretty flowers of a clear yellow color.
- Garden and forest.** A journal of horticulture, landscape art, and forestry. New York. 4^o.
- HARGER, Paul. Cultivation of the Bermuda Easter lily. Vol. 2 (no. 60, April 17, 1889), p. 184-185. 1 *illustration*. A^s (286)
NOTE.—“The Bermuda Easter-lily, sometimes known in the United States market as *Lilium Harrisii* (which is a misnomer), is a well-known Japanese plant botanically named *Lilium longiflorum eximium*. . . one monstrosity grown in 1882, produced 145 perfect flowers.”—p. 184.
- TROUBLESOME grass, A. [Bermuda Grass.] Vol. 3 (no. 126), July 23, 1890), p. 363-364. A^s (287)
NOTE.—The Bermuda grass, *Cynodon dactylon*, sometimes called wire or scutch grass is a strange combination of the good and bad. It is a coarse grass and seems indestructible, unharmed by the sun of July or the frosts of winter. *See also* p. 387, for a letter by Thomas Meehan, of Germantown, Pa., upon this same grass.
- [GARDENS of Bermuda, The. An editorial.] Vol. 4 (no. 171, June 3, 1891), p. 254. Y^B (288)
NOTE.—“Taken as a whole Bermuda scenery has a singular charm for northern eyes, and the possibilities of gardening there are endless.”
- BERMUDA in May. [Correspondence.] Vol. 4 (no. 171, June 3, 1891), p. 262-263. Y^B (289)
- BERMUDA Juniper, The. [An editorial.] Vol. 4 (no. 174), June 24, 1891), p. 289-290. 2 *illustrations*. Y^B (290)
NOTE.—This editorial is illustrated by two fine full-page portraits of Bermuda cedars, one, the old cedar in Devonshire churchyard, the other, a fine example of the *Juniperus Bermudiana* in the Devonshire marshes.

Bermuda in Periodical Literature.

Garden and forest. (*Continued.*)

BERMUDA Palmetto, The. [An editorial.] Vol. 4 (no. 175, July 1, 1891), p. 302. 1 illustration. Y^B (291)

NOTE.—With this article is a full-page reproduction (p. 307) of a "photograph of the Bermuda Palmetto, *Sabal Blackburniana*, as it appears growing in its native marshes, a species endemic to the islands, and the most interesting plant of their flora after the Cedar."

HASTINGS, Russell. Bermuda onion, The Vol. 4 (no. 187, September 23, 1891), p. 451-452. 1 illustration. Y^B (292)

NOTE.—Gives full information regarding the onion culture as carried on at Bermuda.

HASTINGS, Russell. Bermuda potatoes. Vol. 4 (no. 192, October 28, 1891), p. 511. Y^B (293)

NOTE.—During the winter of 1890-91 there were shipped to American ports 80,000 bushels, the customs tax upon which was \$20,000, "which the Bermudian feels to be infamous."

Gardener's chronicle and agricultural gazette. London. folio.

[POTATOE disease at Bermuda.] [Vol. 7] (no. 13, March 28, 1846), p. 203. Y^B (294)

NOTE.—Information from Governor Reid to the Colonial Office, published with permission of the Government, giving extracts from the returns of five cultivators in the island. "The disease is ascribed to damp weather, and has been worst in marshy ground, where arrowroot also decays."

ELLIOTT, Charles. [Extract, etc., from speech of Governor Elliott on the cultivation of oranges and lemons in Bermuda.] [Vol. 12] (no. 22, May 31, 1851), p. 339. Y^B (295)

NOTE.—Governor Elliott did not "confine himself to mere recommendations; for at his own expense he has just introduced the *Longan* and *Cookia punctata* into the Bermudas."

BERMUDA a colony, a fortress, and a prison. By a Field Officer. [Vol. 18] (no. 11, March 14, 1857), p. 175. Y^B (296)

NOTE.—A book notice of Ferdinand Whittingham's book, with the above title.

MOORE, T. *Adiantum bellum*. Vol. 11, new series. [Vol. 45] (no. 267, February 8, 1879), p. 172-173. Y^B (297)

NOTE.—"This is the common [maiden-hair] fern of the island." It is endemic in the Bermudas. Gilbert, p. 595.

HEMSLEY, William Botting. The Bermudas. Vol. 19, new series [vol. 53] (no. 482, March 24, 1883), p. 367-368; (no. 484, April 7, 1883), p. 431-432. Y^B (298)

NOTE.—"With the exception of one or two ferns, a species of palm, and two or three flowering plants, there are no forms apparently peculiar to the islands; and it is very probable that they do all occur in the West Indies, or on the continent of America. . . . My preliminary rough list comprises about 320 species, whereof 133 were certainly introduced by man. . . . Then there are fifty-seven others which may have been introduced in the same way, though it is quite probable that they were conveyed thither by other than human agency; whilst about 130 seem to be what we call indigenous."—p. 431.

Bermuda in Periodical Literature.

- HEMSLEY, William Botting. The Bermuda cedar. Vol. 19, new series [vol. 53] (no. 491, May 26, 1883), p. 656-657. 2 illustrations. Y^B (299)
- NOTE.—“The true Bermuda cedar was cultivated in England in 1684, as we learn from a letter written by Sir Hans Sloane to Mr. Ray in November of that year.”
- BERMUDA, Lily, The. Vol. 24, new series [vol. 58] (no. 604, July 25, 1885), p. 113. Y^B (300)
- NOTE.—*See also* vol. 16, 3d series [vol. 76], (no. 415, December 8, 1894), p. 698; vol. 18, 3d series [vol. 78] (no. 454, September 7, 1895), p. 271; 304. “The Bermuda Lily was first brought to America from the Island of Bermuda in 1876, by Mrs. Thomas P. Sargent.” About a year later the increase from some of these bulbs came into possession of Mr. William Harris of Philadelphia. “He began growing the bulbs and offered them to the public, with the addition of his name, as *Lilium Harrisii*.”
- BERMUDAS, The. Vol. 9, 3d series [vol. 69] (no. 215, February 7, 1891), p. 167-168. Y^N (301)
- NOTE.—“It is interesting to note here, in connection with our Jubilee year, that in our third number [1841] is an article on ‘Agriculture in the Bermudas,’ and especially on the ‘Economic cultivation of the Arrowroot,’ and the ‘First introduction of the Plough into these islands.’”—p. 168. As the set of the Gardener’s Chronicle which I consulted lacked vol. 1 this article (or articles) does not appear in its regular place in this list.
- BERMUDA lily disease. Vol. 22, 3d series [vol. 82] (no. —, November 20, 1897), p. 368. Y^B (302)
- NOTE.—A resumé of Mr. Albert F. Wood’s paper bearing the same title, which appeared as *Bulletin, No. 14 of the UNITED STATES Department of Agriculture*, Division of Vegetable Physiology and Pathology.
- HAYCOCK, Arthur. The Bermuda Juniper. Vol. 25, 3d series [vol. 85] (no. 638, March 18, 1899), p. 176. Y^B (303)
- NOTE.—The Bermuda juniper is a valuable and durable wood for furniture, building, and other purposes.
- General coasting pilot.** *See Atlas maritimus et commercialis.*
- Gentleman’s magazine.** London. 8°. FROM BERMUDAS, May 25. Vol. 2 (1732), p. 933. Y^C (304)
- NOTE.—Reference to whale fishing in the Bermudas.
- ACCOUNT of the strength of the following British Islands in the West-Indies. Anno. 1736. Vol. 10 (May 1740), p. 241-242. Y^H (305)
- NOTE.—The fortifications in the Bermuda or Summer Islands given, p. 242. “. . . it is probable that the Spaniards never thought of making settlements in these Islands, nor made any other Use of their Discovery than to avoid them in their Navigation between Europe and the Indies.”—p. 242.
- Geographical journal; including the Proceedings of the Royal Geographical Society.** London. 8°.
- MARKHAM, Clements R. The limits between geology and physical geography. Vol. 2 (no. 6, December, 1893), p. 519-525. Y^C (306)
- NOTE.—Reference to North Rock, Bermuda, p. 523-524.

Bermuda in Periodical Literature.

Geographical journal. (*Continued.*)

FORMATION (The) of the Bermudas. Vol. 4 (no. 3, September, 1894), p. 274-275. Y^A (307)

NOTE.—A summary of Dr. Alexander Agassiz's views upon the subject, gathered from his letter to Prof. James Dwight Dana, which appeared in the *American Journal of Science* for June, 1894.

BELHAVEN, Lord. [Remarks on the formation of sand-dunes in the Bermudas.] Vol. 9 (no. 3, March, 1897), p. 305. Y^C (308)

ADMIRALTY surveys during the year 1896. Vol. 9 (no. 6, June, 1897), p. 655-656. Y^C (309)

NOTE.—Surveys of the Narrows or ship channel, Stag channel, and Two Rocks passage, noted on p. 656.

GEOLOGY of the Bermuda Islands. Vol. 10 (no. 6, December, 1897), p. 639-640. Y^C (310)

NOTE.—Observations upon the conclusions reached by Mr. Ralph S. Tarr in his paper in the *American geologist*, vol. 19 (1897), p. 293-303, *q. v.*

Geographisches Jahrbuch. Gotha. 16°.

GRISBACH, August Heinrich Rudolph. Bericht über die Fortschritte in der Geographie der Pflanzen. 5 Band (1874), p. 46-97. Y^G (311)

NOTE.—Bermudas forms section 1 of "Oceanische Inseln," p. 92-93.

Geological Society of London. Proceedings. London. 8°.

NELSON, Richard J. [Abstract of memoir "On the Geology of the Bermudas."] Vol. 2 (no. 36, 1833-1834), p. 81-82. Y^H (312)

Geological Society of London. Quarterly journal. London. 8°.

NELSON, Richard J. On the geology of the Bahamas, and on coral-formations generally. [Abstract of paper read June 2, 1852.] Vol. 9, Pt. 1st (Proceedings; 1853), p. 200-215. Y^H (313)

NOTE.—"The observations on the Bermudas, written during 1830-33, and printed in the Society's Transactions for 1837, stand in such close relation," says the author, "to those of the present communication that the latter may be considered as a sequel to the former."—p. 201.

Geological society of London. Transactions. London. Folio.

NELSON, Richard J. On the geology of the Bermudas. Vol. 5, 2d series, part 1 (1837), p. 103-123. 16 woodcuts and 1 map. H^B (314)

NOTE.—This is the first monograph published upon the geology of Bermuda and is extensively quoted by later writers on the subject.

Gledstone, James Paterson. Life and travels of George Whitefield. London. 8°.

WHITEFIELD, George. [Journal in the Bermudas: somewhat abridged.] (1871), p. 366-374. A^S (315)

NOTE.—The Rev. George Whitefield landed in Bermuda March 15, 1748, and remained until May 22 of that year, when he sailed directly for England.

Bermuda in Periodical Literature.

Godet, Theodore L., M. D. Bermuda: its history, geology, climate, products, agriculture, commerce and government, from the earliest period to the present time; with hints to invalids. London: Smith, Elder and Co. M.DCCC.LX. post 8°. xv. + 271 pp. 1 sheet of folded tables. H^B (316)

NOTE.—History, p. 1-17; climate, including hints to invalids, p. 18-39; government, p. 40-48; British West Indies, p. 49-59; judicature, legislation, revenue, etc., p. 60-76; fisheries, topography, etc., p. 77-87; general description, p. 88-97; agriculture, p. 98-107; productions of the soil, p. 108-146; inhabitants, p. 147-154; education, p. 155-188; manners and customs, p. 189-192; natural history, including birds and entomology, p. 193-210; shells, p. 211-243; corals, mammalia and reptiles, p. 244-252; concluding remarks and appendices, p. 253-271.

The scientific part of this book is unreliable. G. Brown Goode, in *Bulletin no. 25 of the United States National Museum*, p. vi., says of it: "Dr. T. L. Godet, in his 'Bermuda,' published in 1860, attempted to discuss the zoölogy of the islands, but his chapters on 'natural history,' 'shells' and 'corals' give evidence not only of ignorance, but of shameful dishonesty in his methods of book-making."

Godey's lady's book and magazine. Philadelphia. 8°.

DARRELL, Anne V. Bermuda [a story in 3 chapters]. Vol. 63 (July, 1861) p. 28-34. As (317)

NOTE.—A love-story the scene of which is laid in Bermuda.

Godey's magazine. New York. 8°.

CHILD, Mary E. Bermuda's sunny isles. Vol. 128 (no. 767, May, 1894), p. 554-569. 12 illustrations. (318)

NOTE.—A well-written article, giving a historical and descriptive account of the islands.

Goldie, T. W. Lecture on the geological formation of Bermuda. Delivered at Hamilton, October 10, 1867. Hamilton, reprinted 1893. 16°. 1 l. + 29 pp. and cover title. (319)

Good words. London. 8°.

THOMSON, Sir C. Wyville. Letters from H. M. S. Challenger. II. and III.—Bermudas. *Poole* vol. 15 (February and March, 1874), p. 94-103, 157-165. 9 woodcuts. As (320)

NOTE.—These two articles were reprinted in full in the author's "Voyage of the 'Challenger,'" and form pages 290-329 and 335-347 of vol. 1 of that work.

"SHIRLEY." Among the Summer Isles; being the quest for the fork-tailed petrel and a princess in Thule. *Poole* vol. 31 (1891), p. 32 et seq. Y^M (321)

NOTE.—This is inserted here because it *does not relate to the Bermudas*, but to a rock in the Hebrides "between Long Island and Dunvegan" which the author calls "for distinction the Summer Isles."

Goode, George Brown. Provisional catalogue of the fishes of Bermuda. [Hamilton, May, 1877.] 8°. [ii] + 8 pp. H^B (322)

NOTE.—Reprinted from the "Supplement to the Bermuda Royal Gazette, May 1, 1877." "A list of the species of fishes known to occur in the waters of Bermuda, which gives the results of the investigations made during the past five years by Mr. J. Matthew Jones and myself. . . . Our joint labors have

Bermuda in Periodical Literature.

Goode, George Brown (*Continued*.)

now brought the number of species up to one hundred and sixty-eight. Of this number about eighty per cent. are West Indian in their formal relations, eight species belong to the coasts of Europe, seven or eight are found only in the Bermudas, and the remainder are pelagic, or of very wide geographical range."—p. 1.

Gottfried, Johan Lodewijk. *Wijtberoemde Voyagien der Engelsen*. Leyden. folio.

ELLIS, Capt. John. Kort Berigt van Mr. Ellis, . . . Reijs door de Straat van Magellanes in't Jaar 1593. . . Mitsgaders Engelse Reijzen na de Bermudas of Summer-Bijlanden [etc.]. Deel 1 (1706), no. 11. 1 l. + 7 + [i] pp. 1 map. YL (323)

NOTE.—See also Aa, Pieter van der.

Granite monthly; a New Hampshire magazine. Concord, N. H. 8°.

STARK, James H. Early history of the Bermuda Islands [1515-1784]. Vol. 8 (no. 4, April, 1885), p. 107-125. 9 woodcuts; 1 facsimile autograph; 1 map. AS (324)

NOTE.—A concise history of the Bermudas from their discovery until the close of Governor George Bruere's administration. See also "Bay State monthly."

Great Britain — *Parliament*. Parliamentary Papers. London. folio.

PAPERS relating to the West Indies. Ordered, by the House of Commons, to be printed, 12 July, 1815. 1815, vol. — (no. 478). 189 pp. WP (325)

NOTE.—Extract from a letter of Governor Sir James Cockburn, dated Bermuda, 1st February, 1812, to the Earl of Liverpool; with an enclosure, giving answers to eleven questions concerning slavery in the island, p. 96-98.

COLONIAL LAWS respecting slaves. Ordered, by the House of Commons, to be printed, 5 April, 1816. 1816, vol. — (no. 226). 193 pp. WP (326)

NOTE.—Two Bermuda laws on the subject are given on p. 38-40—An Act to repeal an Act, intituled, "An Act for the security of the Subject, to prevent the forfeiture of life and estate upon killing a Negro or other Slave" [17th July, 1789], p. 38; and An Act to regulate the emancipation of Slaves, and to disable Free Negroes and persons of Colour from being seized of Real Estate [9th August, 1806], p. 38-40.

DOWDING, Rev. W. C., and others. Bermuda. Correspondence respecting the revival of the College of St. Paul [Bishop Berkeley's] in Bermuda. 1852-53, vol. 65, (no. 937). 4 pp. YC (327)

BERMUDA — *Commissioners to Inquire into the Origin of the Epidemic which lately prevailed at Bermuda*. Report. 1855, vol. 37 (no. 16). 160 pp. HB (328)

NOTE.—This document relates to the yellow fever epidemic of 1853 and is largely made up of answers to questions given by various persons and vestries.

BERMUDA — *Commissioners to Inquire into the First Appearance and Spread of Yellow Fever at Bermuda in 1856*. Report. 1857-58, vol. 41 (no. 105). 262 pp. 1 map. HB (329)

Bermuda in Periodical Literature.

GREAT BRITAIN — *Parliament*, 1860. Further papers relative to the convict establishment at Bermuda. 1860, vol. 45 (no. 2700). 9 pp. Yc (330)

NOTE. — "From the years 1824-1863 some 9,000 English criminals were sent to and employed in the islands, the number at one time being over 1,500, after the emancipation of the slaves had made forced labor more valuable." — LUCAS, *Historical Geography of the British Colonies*, vol. 2 (Oxford, 1890), p. 23.

BERMUDA — *Commissioners to Inquire into the Origin and Spread of the Yellow Fever, by which Bermuda was visited in 1864*. Report. 1866, vol. 49 (no. 477). 112 + [2] pp. 1 map and 1 diagram. H^b (331)

BERKELEY, George, *Bishop, and others*. Letters (March 4, 1722 o. s. to July 20, 1730) [referring to his proposal for the establishment of a college at Bermuda]. 1878-79, vol. 40 (no. —), p. 241-244. Yc (332)

NOTE. — This volume forms the seventh Report of the Royal Commission on Historical Documents; Part 1. Report and Appendix. In a letter dated "1722-3, March 4, London" appears the first reference to his project. He says "It is now about 10 months since I have determined to spend the residue of my days in Bermuda, where I trust in Providence, I may be the mean instrument of doing great good to mankind." — p. 241.

[Green, John.] New general collection of voyages and travels. London. 4°.

BARKER, Edmund. Voyage to the East Indies in the year 1591. Vol. 1 (1745), p. 235-241. Yc (333)

NOTE. — This collection of voyages is usually known as Astley's collection. Barker gives an account of May's shipwreck on the Bermudas, December 17, 1593 on p. 239-241.

Grisebach, A. H. R. Flora of the British West India islands. London, [1859-] 1864. 8°. xvi + 789 pp. Y^b (334)

NOTE. — I have been unable to find any direct reference to the Bermudas in this work, but, as the flora of those islands are largely West Indian in their character, the student of the botany of Bermuda will naturally make much use of it. LEFROY, in his *Botany of Bermuda*, says: — "Grisebach notes about 18 West Indian plants as natives of Bermudas in his flora of the British West Indian Islands, 1864, but had evidently very imperfect information before him." — p. 45.

Hakluyt, Richard. Principal navigations, voyages, traffiques, and discoveries of the English nation. London. folio.

BARKER, Edmund. Voyage with three tall ships . . . to the East Indies, . . . Vol. 2 (1599), p. 102-110. As (335)

NOTE. — On page 109 mention is made of Bermuda.

MAY, Henry. Briefe note of a voyage to the East Indies, begun the 10 of April, 1591. Written by Henry May, who in his returne homeward by the West Indies suffered shipwracke vpon the isle of *Bermuda*, whereof here is annexed a large description. Vol. 3 (1600), p. 571-574. As (336)

NOTE. — For account of the wreck see p. 573-574. Reprinted in LEFROY's *Memorials*, vol. 1, p. 7-9.

Bermuda in Periodical Literature.

Hakluyt, Richard. (*Continued.*)

BARKER, Edmund. A voyage with three tall ships . . . to the East Indies. 2d edition. Vol. 2 (1810), p. 586-595. As (337)

MAY, Henry. Briefe note of a voyage to the East Indies [etc.]. 2d edition. Vol. 4 (Lond., 1811), p. 52-56. YG (338)

NOTE.—The portion relating to Bermuda is on p. 55-56.

JOURDAN, Sil. A discovery of the Barmvdas, otherwise the Ile of Divels: by Sir Thomas Gates, Sir George Sommers, and Captayne Newport, with diuers others. 1610. 2d edition. vol. 5 (1812), p. 551-558. YL (339)

HORTOP, Job. The trauailes of Iob Hortop, which Sir John Hawkins set on land within the bay of Mexico, after his departure from the Hauen of S. Iohn de Villosa in Nueva Espanna, the 8. of October 1568. Vol. XIV—America, Part 3 (Edin., 1890), p. 226-243. YG (340)

NOTE.—In 1570, when returning to Europe, Hortop passed near the Bermudas and saw for the first time the prototype of the great American sea-serpent. His description, which occurs at p. 240, is as follows:—

“When we came in the height of Bermuda, we discovered a monster in the sea, who shewed himselfe three times vnto vs from the middle vpwards, in which parts hee was proportioned like a man, of the complection of a Mulato, or tawny Indian. The Generall did commaund one of his clearks to put it in writing, and hee certified the King and the Nobles thereof.”

JOURDAN, Sil. A discovery of the Barmvdas, otherwise called the Ile of Divels. 1610. Vol. 15—America, Part 4 (Edin., 1890), p. 181-190. YG (341)

MAY, Henry. A briefe note of a voyage to the East Indies [etc.]. Vol. 15—America, Part 4 (Edin., 1890), p. 270-278. YG (342)

NOTE.—Account of his wreck upon Bermuda, p. 276-278.

Hakluyt, Richard. A selection of curious rare and early voyages. London. 4^o.

JOURDAN, Sil. A discovery of the Barmvdas [etc.]. 1812. p. 763-770. YA (343)

NOTE.—This volume contains all the matter reprinted in the 5 volume edition of 1812 (vol. 4, p. 393-612 and vol. 5, 595 pp.) not contained in the original edition of Hakluyt, and was evidently reprinted in this form for the convenience of those, who, possessing the original edition, did not care to buy the whole of the reprint.

Hakluyt society. Publications. London. 8^o.

CHAMPLAIN, Samuel. Narrative of a voyage to the West Indies and Mexico in the years 1599-1602. Vol. 23 (1859). 3l. + 4 + vi. + xcix. + 48 pp. As (344)

NOTE.—Mention is made of Bermuda, near which Champlain sailed on his return voyage, at p. 46-47. This passage is quoted by LEFROY in his *Memorials*, vol. 2, p. 572. The text calls for a figure of Bermuda, the first of which we have any record, unfortunately this is lacking in the original.

Bermuda in Periodical Literature.

MARKHAM, Sir Clements R., *editor*. Voyages of Sir James Lancaster, Kt., to the East Indies during the seventeenth century; preserved in the India Office. Vol. 56 (1877). Y^G (345)

NOTE.—Barker's narrative of the first voyage of Sir James Lancaster, p. 1-24. May's narrative, p. 25-34. Both these narratives give an account of May's shipwreck on the Bermudas, December 17, 1593, p. 20, 32-34.

[BUTLER, Nathaniel.] The historye of the Bermudaes or Summer Islands. Edited from a MS. in the Sloane collection, British Museum, by General Sir J. Henry Lefroy, R. A., . . . formerly Governor of the Bermudas. Vol. 65 (1882). [viii.] + xii. + 327 pp. 3 plates, 1 woodcut, and 1 map. Y^G (346)

NOTE.—Lefroy was of the opinion that this work was written by Captain John Smith. It is entered under "Smith" in the British Museum Catalogue with this note: "Attributed in the introduction to John Smith, but written by Captain N. Butler." Butler was one of the early governors of Bermuda, under the Bermuda Company, and from his knowledge of the islands was much better qualified to write concerning them than Captain Smith, who never visited them. In 1892 "Mr. Edward Scott, keeper of MSS. in the Museum, while cataloguing the Sloane collection, came upon a MS. in the same handwriting as 750 [the above "Historye of the Bermudaes"], signed by Nathaniel Butler. This MS. [is] numbered 758 . . . A comparison of the two MSS. establishes the fact of the identity of the handwriting."—*Athenæum*, Dec. 24, 1892, p. 891. Thus the authorship of this work is definitely settled.

VESPUCCI, Amerigo. Letters and other documents illustrative of his career; [translated and edited] by Clements R. Markham. Vol. — (1894). [viii.] + xlv. + 121 + 16 pp. Y^G (347)

NOTE.—The editor attempts to disprove Varnhagen's theory that the island of Ity, mentioned in Vespucci's first letter, was Bermuda. Fiske in his *Discovery of America* (Bost., 1892) vol. 2, p. 52-92, supports Varnhagen.

Hardwicke's science gossip. London. 8°.

VEGETATION of Bermuda. Vol. 10 (no. 110, [February, 1874]), p. 44. J^F (348)

NOTE.—Comments upon H. N. Moseley's paper, on this subject, to the Linnean Society.

KITTON, F. Bermuda tripoli. Vol. 11 (no. 127), July, 1875), p. 160-161. J^F (349)

NOTE.—Bermuda tripoli is a polishing powder obtained at Bermuda Hundreds, Va. In the laws of the Bermuda Company, passed February 6, 1621 *o.s.*, Section 212, it was provided that in view of the scarcity of land in Bermuda a grant should be made to the Bermuda Company of land in Virginia. "This arrangement is still commemorated by the name of the Bermuda Hundred, Chesterfield County, Va."—LEFROY'S *Memorials*, vol. 1, p. 228.

Harleian miscellany; or, A collection of scarce, curious, and entertaining pamphlets and tracts. London. 8°.

DUGDALE, Richard. A narrative of the wicked plots carried on by Seignior Gondamore, for advancing the popish religion and Spanish faction. 1679. Vol. 8 (1810), p. 231-249. A^s (350)

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Harleian miscellany. (*Continued.*)

NOTE.—At page 241, Gondomar is made to say: "therefore I crossed whatsoever intendments were projected [by the English] for Virginia or Bermudas, because they may be hereafter really helpful unto them," etc. For further information regarding Gondomar and his reports to the King of Spain regarding Bermuda, see BROWN'S *Genesis of the United States*.

Harper's Bazar. New York. folio.

W., M. H. Club news. Vol. 33 (no. 10, March 10, 1900), p. 215. 1 *portrait*. (351)

NOTE.—An account of the formation and work of the "Nineteenth Century [Ladies'] Club of Hamilton," with a portrait of its president, Mrs. S. S. Ingham.

Harper's new monthly magazine. New York. 8°.

[ROUNDS, Christiana.] Bermuda. Vol. 47 (no. 286, March, 1874), p. 484-509. 13 *woodcuts*; 2 *maps*. A^s (352)

NOTE.—This article was separately printed in 1876 or 1877 by the Quebec and Gulf Ports Steamship Co. under the title "The Bermuda Islands. A convenient, picturesque and salubrious winter resort."

LARCOM, Lucy. Bermoothes. [a poem.] Vol. 57 (no. 342, November, 1878), p. 862-863. J^F (353)

NOTE.—A poem of seventeen stanzas of six lines each.

"Wherever you wander the sea is in sight,
With its changeable turquoise green and blue,
And its strange transparency of limpid light,
You can watch the work that the Nereids do
Down, down, where their purple fans unfurl,
Planting their coral and sowing their pearl."

Also in her Poetical works; Household edition (Bost., 1890), p. 247-249.

Harper's weekly. A journal of civilization. New York. Folio.

SKETCHES in Bermuda. *Anon.* Vol. 17 (no. 876, October, 1873), p. 901-902. 4 *woodcuts*. Bn^L (354)

Harris, John. Navigantium atque itinerantium bibliotheca; or, A complete collection of voyages and travels. London. folio.

ACCOUNT of the first Plantation of the Bermudas or Summer Islands, with the Natural History of the Country; Extracted from the Memoires of Captain Smith, Mr. Richard Norwood, William Strachie, Esq., with some others. Vol. 1 (1705), p. 848-850. Y^A (355)

NOTE.—See also p. 837.

ACCOUNT of the first Plantation of the Bermudas [etc.]. Vol. 2 (1845), p. 240-243. Bn^L (356)

Hart, Albert Bushnell, editor. American history told by contemporaries. London. 8°.

RICH, R. "Newes from Virginia" (1610). Vol. 1 (1897), p. 285-288. Y^M (357)

NOTE.—A reproduction from J. O. Halliwell-Phillip's reprint, London, 1865.

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[Hartgers, Joost, *publisher.*] Oost-Indische Voyagien. Amsterdam. 4^o.

BESCHRIJVINGHE van Virginia, Nieuw Nederlandt, Nieuw Engelandt, en d'Eijlanden Bermudes, Barbados, en S. Christoffel, [Vol. 2], ([no. 3], 1651). 88 pp. 1 map, and 6 woodcuts. YL (358)

NOTE.—Volume 1 was published in 1648. The above and some other publications were without doubt destined to form the second volume. See TIELE's *Mémoire bibliographique sur les journaux des navigateurs néerlandais* (Amst., 1867), p. 18. This is a reprint of some parts of the "Vertoogh," and of the second edition of De Laet. Bermuda p. 77-83, with map.

Harvard College—Museum of Comparative Zoölogy. Bulletin. Cambridge. 8^o.

LYMAN, Theodore. Ophiuridæ and Astrophytidæ of the exploring voyage of H. M. S. "Challenger." Part I. Vol. 5 (July 25, 1878), p. 65-168. YH (359)

NOTE.—Six species were taken off Bermuda, all of which were new to science. At Station 33, in 435 fathoms:—*Ophiomusium cancellatum*, sp. nov., p. 111-112, plate 1, figs. 17, 18; *Ophiopyren longispinus*, sp. nov., p. 134-135, plate 7, figs. 176-178; *Ophiomitra chelys*, p. 152-154, plate 9, figs. 239-241 (Same as *Ophiacantha chelys* Wyv. Thom. Voyage of Chall. Atlantic, N. Y., 1878, v. 2, p. 63, figs. 16, 17); *Ophiacantha Troscheli*, sp. nov., p. 142-143, plate 9, figs. 222-224. At Station 56, in 1,075 fathoms:—*Ophiacantha segesta*, sp. nov., p. 141-142, plate 10, fig. 271. Off Bermuda, in 750 fathoms:—*Ophioglypha lepidæ*, sp. nov., p. 70-71, plate 3, figs. 71-73.

LYMAN, Theodore. Same. Part II. Vol. 6 (no. 2, December 25, 1879), p. 18-83. YH (360)

NOTE.—Four species are here recorded from the vicinity of Bermuda, one of which was new. At Station 56, in 1,075 fathoms:—*Amphipura duplicata*, Lym., p. 31-32 (Same in Illus. Cat., no. viii., pt. 2, p. 19). At Station 33, in 435 fathoms:—*Astroschema branchiatum*, sp. nov., p. 67, plate 17, figs. 462-465. At Station 36, in 32 fathoms:—*Ophiothrix violacea*, Müll and Trosch., p. 53; *O. Suensonii*, Lk., p. 54.

FEWKES, Jesse Walter. On a few Medusæ from the Bermudas. Vol. 11 (no. 3, August, 1883), p. 79-90. 1 folding plate. HB (361)

NOTE.—A list of free jelly-fishes found in Castle Harbor, Bermuda, in May and June, 1882, p. [79]-80; unknown *Ephyra* with sixteen tentacles, p. 80-81; *Agalyna Okenii*, p. 80-81; *Rhizophysa Eysenhardtii*, p. 82-83; *Tamoya punctata*, p. 84-85; *Ectopleura*, p. 85-86; *Oceaniopsis*, p. 86; *Oceaniopsis Bermudiensis*, p. 86-87; *Cladenema*, p. 87-88; Explanation of plate, p. 89-90.

AGASSIZ, Alexander. A contribution to American Thalassography. Three cruises of the United States Coast and Geodetic Survey steamer "Blake." Vols. 14-15 (1888). YH (362)

NOTE.—The "Blake" did not touch at Bermuda, but references to these islands may be found in vol. 1, p. 80, 93-94, 117-119; vol. 2, p. 28-29. "The 'Bermuda sea-serpent,' *Regalecus Jonesii*, was seventeen feet long and swam with great velocity through the surf, and dashed itself on shore."—p. 28.

AGASSIZ, Alexander. A visit to the Bermudas in March, 1894. Vol. 26 (no. 2, April, 1895), p. 209-281. 28 plates; 1 map; 1 folding plate; 7 woodcuts. HB (363)

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Harvard College. (Continued.)

NOTE.—An exhaustive monograph upon the coral rock formation of the Bermudas. The following synopsis of its contents may be of interest:—General description, p. 209-221; Æolian Hills and Dunes plates 9-12, 15-20. and 28, p. 221-228;—Fossils, p. 229-230;—The Sounds and Lagoons, plates 2, 4, 6, 7, 14 and 27, p. 231-235; Distribution of the Corals, p. 235-237; Ledge Flats and Patches—plates 2, 15, 17-26, p. 237-253; The Serpentine Reefs—plates 21-26, p. 253-269; Pot-holes—plates 29 and 30, p. 269-270; North Rock—plate 8, p. 270-272; Proto-Bermuda—plate 2, p. 273-278; Explanation of the plates, p. 279-281. See also *American journal of science and arts*. Also issued as a separate.

Harvard College—Museum of Comparative Zoology. Memoirs. Cambridge. 4°.

ALLMAN, George J. Report on the Hydroids collected during the exploration of the Gulf Stream by L. F. De Pourtalès. Vol. 5 (no. 2). YH (364)

NOTE.—Here is described the *Aglaophenia ramosa* (p. 39-40, plate 23, figs. 1-4), a specimen of which was obtained at Bermuda by the "Challenger." In his report on Hydroids in the "Challenger" expedition reports (Zoology, Pt. 7, vol. 7) the author contents himself by simply referring to the description contained in this report.

Heilprin, Angelo, and others. The Bermuda Islands: a contribution to the Physical History and Zoology of the Somers archipelago. With an examination of the structure of Coral Reefs. Philadelphia, 1889. 8°. [viii.] + 231 pp. YH (365)

NOTE.—"My main object in visiting the islands was to satisfy my mind on certain points connected with the structure and physiognomy of coral reefs, to the study of which the Bermudas offer special advantages. I contemplated but little work in zoology, and that which was accomplished may be considered supplemental to the plan of the work originally laid out."—p. [v.]. The zoological matter, independent of that given below, may be found as follows:—Mammals, p. 78-80; Birds, p. 81-83; Reptiles, p. 83-84; Sponges, Corals, and Echinoderms, p. 94; Actinozoa, 19 species, p. 98-103; Alcyonaria, 8 species, p. 103-105; Holothuria, p. 136-142, 94, 6 species, of which 4 are new:—*Holothuria abbreviata*, p. 137-138, plate 12, figs. 5, 8, 8a; *Semperia Bermudensis*, p. 138-139, plate 12, figs. 2, 2a, 3; *Stichopus diaboli*, p. 139-140, plate 13, fig. 1, 1a, 1b, 2; *Stichopus xanthomela*, p. 140-142, plates 12, fig. 1; 13, fig. 3. Asteroidea, 2 species, p. 142-143; Ophiuroidea, 6 species, p. 143-144; Echinoidea, 6 species, p. 144-145; Crustacea, 27 species, p. 146-152, 90-91; Mollusca (p. 166-184, 85-87, 89-90, p. 86 giving list of 11 species peculiar to Bermuda), 202 species, of which 12 are new:—*Octopus chromatus*, p. 184-185, 167, plate 15, figs. 1; *Cythara (Pleurotoma)*, p. 170; *Aplysia aquorea*, p. 185-187, 176, plate 15, figs. 2, 2a, 2b; *Chromodoris zebra*, p. 187, 176, plate 15, figs. 3, 3a; *Onchidium (Onchidiella) transatlanticum*, p. 187-188, 184, plate 15, figs. 4, 4a; *Emarginula dentigera*, p. 188, 175, plate 17, fig. 7; *E. pileum*, p. 189, 175, plate 17, fig. 6; *Cæcum termes*, p. 189, 172, plate 17, fig. 5; *Chama Bermudensis*, p. 189, 178, plate 17, fig. 1; *Macoma eborea*, p. 189-190, 178, plate 17, fig. 2; *Mysia pellucida*, p. 190, 179, plate 17, fig. 3; *Cythera Penistoni*, p. 190, 178, plate 17, fig. 4. Notes on the recent literature of coral reefs. p. 202-231.

McMURRICH, J. Playfair. The Actinology of the Bermudas. p. 105-135. 2 plates. YH (366)

NOTE.—Ten species are here described, three of which are new, viz. 1.—*Aiptasia*, sp.? p. 106-108, plate 10, figs. 1-2; *Onulactis fascionata*, n. sp., p. 112-115, plate 10, fig. 5; *Di-*

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- plactis*, gen. nov., *Bermudensis*, n. sp., p. 115-119, plates 10, figs. 4, 6; 11, figs. 1, 2.
- UHLER, Philip H. Observations on the Insects of the Bermudas. p. 152-158. YH (367)
- NOTE.—Fifteen species are here described. "But few insects have hitherto been recorded from this group of coral islands, and much arduous collecting is still needed to gather a full series of the insects settled there. . . . It is therefore with earnest solicitude that we await the time when some acute collector will undertake to solve the problem of insect settlement which lies deeply buried in the history of this little group of islands."—p. 152. 153. See also p. 91-93.
- MARX, Dr. George. A contribution to the knowledge of the Spider Fauna of the Bermuda Islands. p. 159-162. 1 plate. YH (368)
- NOTE.—Seventeen species are named, including the six described by Blackwell. Twelve species were collected by Professor Heilprin's party, of which one, *Lycosa Atlantica* (p. 161-162) was new. "It seems that the spider fauna of the Bermudas is more American than anything else, for out of the seventeen species now known, only four [*Epeira gracilipes*, Blackw.; *Xysticus pallidus*, Blackw.; *Salticus diversus*, Blackw.; and *Lycosa Atlantica*, nov. spec.] are original (so far) to these Islands, and nine are found also in the limits of the United States."—p. 161. See also p. 93-94.
- BOLLMAN, Charles H. Notes on a small collection of Myriapods from the Bermuda Islands. p. 162-165. YH (369)
- NOTE.—Five species only "have as yet been reported from the Bermudas," one of which is new;—*Julus Moreleti*, Lucas, p. 164; *Mecistocephalus Guildingii*, Newport, p. 164; *Lithobius lapidicola*, Meinert, p. 164-165; *Scolopendra subspinipes*; and *Spirobolus Heilprini*, sp. nov., p. 162-164. See also p. 94.
- PILSBRY, Henry Augustine. On the Helicoid Land Mollusks of Bermuda. p. 191-201. 1 plate. YH (370)
- NOTE.—Deals chiefly with the *Pacilozonites*. It describes six species:—*Pacilozonites Bermudensis*, Pfr., p. 196-197, 198-199, plate 16, figs. K, C; *P. Nelsoni*, Bland, p. 197-198, plate 16, figs. J, K, L; *P. Reinianus*, Pfr., p. 198, plate 16, fig. 1; *P. Reinianus*, Pfr., var. *Goodei*, Pilsbry, [n. var.], p. 198; *P. circumfirmatus*, Redfield, p. 199-200, plate 16, fig. F; *Helix (Microphysa) hypolepta*, Shuttleworth, p. 200-201. The above papers, with the exception of that by P. H. Uhler, had previously appeared in vols. 40 and 41 of the *Proceedings of the Academy of Natural Sciences of Philadelphia*. See also p. 87-89.
- HOTTEN, John Camden. The original lists of persons of quality, . . . and others, who went from Great Britain to the American Plantations; 1600-1700. London, 1874. 4°. 580 pp. AS (371)
- NOTE.—"X^o Junij 1635. Theis vnder-written names [125 in all] are to be transported to the Bormoodes or Somer-Islands, imbarqued in the *Truelove* de London, Robert Dennis Mr.," p. 85-87. "Tricesimo die Septembris 1635. Aboard the Dorst, John Flower Mr. bound for ye Bormodos" [95 names in all], p. 689-690. Both lists are reprinted in LEFKOV's *Memorials*, vol. 1, p. 687-690. Other references to Bermuda may be found on pp. 156, 157, 164, 163*, 164*, 165, 166, 165*, 166*, 167, 168, 167*, 301-313*, 350, 354, 375, and 408.
- Household words. A weekly journal; conducted by Charles Dickens. London. 8°.

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Household words. (Continued.)

GOOD governor, The ; [Sir William Reid, Governor of Bermuda, 1839-1846]. Vol. 1 (no. 23, August 31, 1850), p. 547-549. Y^A (372)

NOTE.—The Bermudas, says the writer, "with one exception [Newfoundland, settled in 1583], our oldest colony, offer a miniature copy of the institutions of the parent state." In 1839 it was a colony of sea-faring men, and agriculture was among the lost arts. Governor Reid during his governorship endeavored to improve the agricultural condition of the islands. He budded a sweet orange upon a bitter citron stock; converted the grounds around Mount Langton into a free pleasure ground; drained Langton Marsh, and grew hay upon it; imported ploughs; offered prizes for garden flowers, vegetables, corn, hay, etc.; and did many other things to promote agriculture. Much of the present success of Bermuda in market gardening is due to the efforts of Governor Reid, and his memory is still affectionately cherished by those who knew him.

Hunt's merchant's magazine and commercial review. New York. 8°.

COMMERCE of the Bermudas. Anon. Vol. 10 (no. 4, April 1844), p. 332-337. A^S (373)

NOTE.—The leading article in the *Merchant's Magazine* for January, 1844, on the Commerce and Resources of British America, embracing all the dependencies or colonies of Great Britain in North America, contained statements of the population, commerce, and navigation of the Bermudas (vol. 10, p. 25-26), for a series of years down to 1839. From an interesting paper in the *London Colonial Magazine*, edited by P. L. Simmonds, Esq., before us, we are enabled to glean some additional particulars of the commerce, resources, etc., of these islands for the last two years—1842 and 1843. This article contains tables giving information concerning imports and exports and the shipping of the islands, as well as the "Bermuda Tariff of Duties."

Hurdis, John L. Rough notes and memoranda relating to the Natural History of the Bermudas. By the late John L. Hurdis, formerly Controller of customs and navigation laws in those islands. Edited by his daughter, H. J. Hurdis. London, 1897. 8°. vi. + [ii.] + 408 pp. (374)

NOTE.—Mr. Hurdis lived in Bermuda from October, 1840, to May, 1855. The "notes" forming this volume were taken, mainly, from September, 1846, to the time he left the islands. They were made use of by him in J. M. Jones's *Naturalist in Bermuda* (London, 1859), p. 56-97. Captain Saville G. Reid had the use of the manuscript in compiling his *Birds of Bermuda* (Washington, 1884), which appeared as Part 4 in *Bulletin* No. 24 (p. 162-279), of the U. S. NATIONAL MUSEUM. This work is especially valuable to the student of Bermuda ornithology as it contains much of the original information made use of in all later works relating to the birds of these islands. "The work is in journal form, and is written somewhat after the style of WHITE's *Selborne*; and if it lacks the charm of that classic, this can hardly be considered a fault on the part of the author."—*Nature*, vol. 55, p. 604. He enumerates in all 178 species, p. 303-314. He also enumerates about 130 species of the "Trees, shrubs, and plants of Bermuda," p. 364-372. While these notes relate largely to birds—over 300 pages of his book being taken up with his field-notes on this subject,—there is much information upon a variety of other subjects, as Butterflies and Moths, p. 314-324; Insects, p. 324-330; Mammalia, p. 330-339; Whales, p. 339-341; Fishes, p. 341-360; Crustacea, p. 361-363; Reptilia, 363-364; Trees,

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Shrubs, and Plants, p. 364-372; The Sand Hills, p. 372-380; Fresh Water Sources, p. 380-387; Waterspout, p. 387-389; Earthquakes, p. 389-391; Climate, 391-392; Aurora Borealis, p. 392-394; On the Formation of the Bermudas, p. 394-401; On the Preservation of Birds by the Bermudian Legislative Assembly, p. 401-407; and Bermuda [a poem], p. 407-408.

Illustrated American, The. New York. 4°.

BACON, Edgar Mahew. Winter sunshine. [Bermuda and the West Indies.] Vol. 19 (no. 312, February 8, 1896), p. 165-168. 11 illustrations. Y^M (375)

NOTE.—Reminiscences of Bermuda and a trip to the West Indies. Only one of the eleven illustrations concern Bermuda.

International scientific series. New York. 8°.

HEILPRIN, Angelo. The geographical and geological distribution of animals. vol. 57 (1886). Y^c (376)

NOTE.—Remarks upon birds observed at Bermuda, p. 48, 50-51.

International souvenir series. J. Murray Jordan, publisher. Philadelphia. oblong 12°. (377)

BERMUDA. [1898.]

NOTE.—Contains 21 photographic views of the Bermudas.

Iowa, State University of—Laboratories of Natural History. Bulletin. Iowa City. 8°.

DALL, William Healey. The Mollusks and Branchiopods of the Bahama expedition of the University of Iowa. Vol. 4 (No. 1, December, 1896), p. 12-27. Y^H (378)

NOTE.—This paper describes a little shell from the Bermudas, which the author believes to be the first of its species described from the northern hemisphere: the *Carditella Smithii*, n. sp., p. 16-17, plate 1, fig. 4.

Jenaische Zeitschrift für Naturwissenschaft; herausgegeben von der medicinisch-naturwissenschaftlichen Gesellschaft zu Jena. Jena. 8°.

ERDMANN, August. Ueber einige neue Zoantheen. Ein Beitrag zur anatomischen und systematischen Kenntniss der Actinien. Vol. 19; new series, v. 12 (1886), p. 430-488. Y^c (379)

NOTE.—Two species are described from the Bermudas:—*Zoanthus* sp.?, p. 438-447, Taf. 4, figs. 1, 2; 5 figs. 1-5, shallow water; *Corticifera* sp.?, p. 473-475, Taf. 4, figs. 1, 2, shallow water.

Jones, John Matthew. The Naturalist in Bermuda; a sketch of the Geology, Zoology, and Botany of that remarkable group of Islands; together with Meteorological Observations. London, 1859. sm. 8°. xii. + 200 pp. 10 woodcuts and 1 map. Y^H (380)

NOTE.—"The first account ever submitted to the public of the Natural History of the Bermudas."—*Preface*, p. v. This work is divided as follows:—Geology, p. 1-10; Zoology, p. 11-130; Botany, describing over 75 species, "with but few exceptions from the pen of Mr. Hurdis," p. 131-143; Meteorological observations, miscellaneous notes, etc., p. 144-192. This book deals almost entirely with the land animals and plants of Bermuda.

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Jones, John Matthew. (*Continued.*)

WEDDERBURN, Major J. W. Aves. Notes and observations on the Resident and Migratory Birds of the Bermudas. p. 23-56. YH (381)

NOTE.—Describes 151 species.

HURDIS, J. L. Further notes and observations on the Resident and Migratory Birds of the Bermudas. p. 56-97. YH (382)

NOTE.—Enumerates 79 species. The following are described at some length:—Sky Lark of Europe, *Alauda arvensis*; Rice Bird, *Dolichonyx oryzivora*; Cardinal Grosbeak, *Pitylus Cardinalis*; Blue Bird, *Sialia Wilsoni*; American Golden Plover, *Charadrius marmoratus*; American Snipe, *Scolopax Wilsonii*; Carolina Crane Gallinule, *Ortygometra Carolinus*; Tropic Bird, *Phaeton Ethereus*; and the Cahow.

"The occurrence of the European *Alauda arvensis* makes perhaps the most notable single item; other European stragglers are *Saxicola oenanthe* and *Crex pratensis*. Unexpected American stragglers from the North are *Nyctea nivea*, *Lanius borealis*, and *Plectrophanes nivalis*. There is an extended account of the migrations of *Charadrius virginicus* [*marmoratus*], and an essay on the 'Cahow' of Smith (1624), which is identified as *Puffinus obscurus*."—*Elliot Coues* (1878).

Jones, John Matthew. The Visitor's Guide to Bermuda. With a sketch of its Natural History. London, New York, etc., [1876]. 12°. xii. + 9-156 pp. 5 woodcuts. (383)

NOTE.—"Printed by Jas. Bowes & Sons, Halifax, Nova Scotia." The "Guide" takes up 118 pages. The "Natural History" of the islands, occupying the remainder of the volume, is divided as follows:—Geology, p. 118-121; Zoology, p. 122-146; Botany, p. 147-152. The portion devoted to Zoology contains the following lists:—Mammalia, 8 species, p. 122; Aves, 179 species, p. 123-131; Reptilia, 3 species, p. 131; Pisces, 121 species, "nearly all of which have been placed in the collection of the British Museum," p. 131-136; Mollusca, 22 terrestrial and fluviatile species and 89 marine species, p. 136-140; Tunicata, several species yet undetermined; Insecta:—Coleoptera, 20 species, p. 141-142; Hymenoptera, 11 species, p. 142; Lepidoptera, 26 species, p. 142-143; Diptera, 11 species, p. 143; Hemiptera, 10 species, p. 144; Orthoptera, 9 species, p. 144; Neuroptera, 9 species, p. 144; Arachnida, several species, but one identified, p. 144; Crustacea, about 30 species, p. 145; Radiata, 14 species, p. 145-146. Botany, 29 trees and shrubs and 15 common plants, p. 147-148; Marine algæ, 103 species, p. 149-152. The only copy of this work I have seen is owned by Prof. A. E. Verrill and was presented to him by the author.

Jones, John Matthew, and Goode, George Brown, editors. Contributions to the Natural History of the Bermudas. Vol. 1 [all published]. Washington, 1884. 8°. xxiii. + 353 pp. and cover title-page. 11 plates and 1 map. (384)

NOTE.—This volume is *Bulletin No. 25* of the UNITED STATES NATIONAL MUSEUM, published under the direction of the Smithsonian Institution. It is well indexed with a separate index for Lefroy's monograph. Both indexes refer to all synonymous names of species.

JONES, John Matthew. Introduction. p. ix.-xxiii. HB (384a)

NOTE.—Gives an account of Bermuda and describes its various localities. "Mr. Jones has collected in Bermuda for several

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winters, between 1859 and 1876, and has become the standard authority in matters relating to the natural history of the islands."—*Preface*, p. vi.

RICE, *Prof.* William North. The Geology of Bermuda. Part I. p. 1–32. 5 plates. II^B (385)

NOTE.—“The result of a careful reconnaissance during a six weeks’ visit in the spring of 1877.”—*Preface*, p. vi. The author discusses the subject under the following headings:—History and literature of the subject; Physical geography of Bermuda; Is Bermuda an atoll? The coral limestone and its varieties; Movements of elevation and subsidence; Has Bermuda subsided within historic times? Erosion; The “Red earth”; Phenomena resulting from the unequal hardening of the limestone; Non-calcareous rocks and minerals; Fossils. The author enumerates about sixteen different minerals (p. 29–30) found by various observers in the “titaniferous sands” and other sources, at various localities along the shore. He also gives, on p. 31–32, a list of twenty-two fossils which have been found in the beach-rock in several localities.

LEFROY, *Sir* John Henry. The Botany of Bermuda. Part II. p. 33–141 and 1 leaf of errata. II^B (386)

NOTE.—A list of twenty-five species found exclusively or almost exclusively in the Walsingham tract, p. 40. List of 150 species regarded as native (including those of the Walsingham tract), p. 41–42. This work gives the names of 945 species, divided as follows:—native, 150; naturalized, 166; introduced, 629—of the latter 215 species are included which are “of horticultural but not of botanical interest, . . . [and which are] inserted . . . to complete the view of the vegetation of Bermuda, as related to climate, and as it presents itself to the visitor.” p. 43. Of this work Hemsley says: “Unfortunately the editing leaves much to be desired, the same plant, in several instances, being repeated under different synonyms; others, by some slip, appear under false generic names, and some are enumerated under wrong natural orders.”—CHALLENGER EXPEDITION. *Report on the Botany of the Bermudas*, p. 129.

JONES, John Matthew. The Mammals of Bermuda. Part III. p. 143–161. H^B (387)

NOTE.—“One of the monographs, which will probably never be extended unless by the addition of certain species of whales.”—*Preface*, p. vii. Nine species are described:—*Scotophilus noctivagans*, Lec., “Silver-haired Bat, p. 145; *Lasiurus cinereus*, Allen,” Hoary Bat, p. 145–146; *Eubalæna cisarctica*, and others, Common Whale, Right Whale, Cape Whale, Hump-back, etc., p. 147–153; *Physeter macrocephalus*, L., Sperm Whale, Spermaceti Whale, Trompe Whale, p. 153–156; *Sorex* —? p. 156; *Mus decumanus*, Pallas, Norway Rat, Brown Rat, p. 156–157; *M. rattus*, L., Black Rat, p. 157; *M. tectorum*, Savi, Tree Rat, p. 157–161; *M. musculus*, L., Common Mouse, p. 161. Also issued separately with cover title.

REID, *Captain* Savile G. The Birds of Bermuda. Part IV. p. 163–279. H^B 388

NOTE.—The author who was in Bermuda from March 30, 1874 to June 3, 1875, describes 186 species. “No species has as yet been discovered peculiar to the islands.”—p. 167. “That fresh species will from time to time be added to the present list is more than probable; in fact it is possible that the whole migratory avi-fauna of North America may eventually be recorded as Bermudian. When such diminutive flyers as the Ruby-throated Humming-bird, *Trochilus colubris*, and the Blue Yellow-backed Warbler, *Parula americana*, can find their way across 600 miles of water in safety, where is the line to be drawn?”—p. 166–167. This essay “is the final result of the labors of Jones, Hurdis, Wedder-

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Jones, John Matthew and Goode, G. B. (Continued.)

burn, and others. . . . Much of the completeness of this list is due to the labors of . . . Mr. John T. Bartram, of Stock's Point, whose little museum is full of interesting material." *Preface*, p. vii.

MERRIAM, Clinton Hart. On a Bird new to Bermuda, with notes upon several species of Rare or Accidental Occurrence. Part V. p. 281-284. H^B (389)

NOTE.—The birds here enumerated are as follows:—*Melospiza fasciata* (Gmelin) Scott, Song Sparrow, p. 283; *Pyrranga rubra* (Linn.) Vieillot, Scarlet Tanager, p. 283; *Peltonetta perspicillata* (Linn.) Kaup, Surf Duck, p. 283; and *Cymochorea leucorhoa* (Vieillot) Coues, Leach's Petrel, p. 284. Also issued separately with cover-title.

GARMAN, Samuel. The Reptiles of Bermuda. Part VI. p. 285-303. H^B (390)

NOTE.—"Five species of reptiles are all that are known to be found on the Bermudas. Only one of the five, *Eumeces longirostris* can be claimed by these islands as their own." —p. 287. The five species are as follows:—*Eumeces longirostris* Cope, Bermuda Lizard, p. 287-289; *Eretmochelys imbricata*, Fitz., Hawkbill Turtle, Caret, p. 299-300; *Thalassochelys caouana*, Fitz., Loggerhead Turtle, Caouane, p. 300-301; *Chelonia mydas*, Schw., Green Turtle, p. 301-303; *Sphargis coriacea*, Gray, Trunk or Leather Turtle, p. 303. General remarks and early accounts of Bermuda turtles, p. 289-299. The Green Turtle and Hawkbill are the common turtles of the islands, the Leather Back and Loggerhead being only occasional visitors.

WEBSTER, H. E. Annelida from Bermuda, collected by G. Brown Goode. Part VII. p. 305-327. 6 plates. H^B (391)

NOTE.—Gives 26 species, of which 13 are new. *Hermodice carunculata*, Kinberg, p. 307, plate 7, figs. 1-5; *Eurythoe macrotricha*, Baird, p. 308, plate 7, figs. 6-9; *Bhawania Goodei*, n. sp., p. 308-309, plate 7, figs. 10-15; *Halosydna leucohyba*, Schmarda, p. 309-310, plate 7, figs. 16-18; 8, figs. 19, 20; *Fallacia proctochona* (Schmarda) Qtrfg., p. 311; plate 8, fig. 21; *Podarke obscura*, Verrill, p. 311; *Nereis Bairdii*, n. sp., p. 312-313, plate 8, figs. 22-28; *N. gracilis*, n. sp., p. 313-314, plate 9, figs. 29-35; *Eunice mutilata*, n. sp., p. 315-316, plate 9, figs. 36, 36 a-d, 40; *E. denticulata*, n. sp., p. 316-317, plate 10, figs. 41, 41a, b-45; *E. longisetis*, n. sp., p. 317-318, plate 10, figs. 46, 46a, b-49; *E. longicirrata*, n. sp., p. 318-319, plate 12, figs. 75-80; *E. violacea*, Grube, p. 319; *Marphysa acicularum*, n. sp., p. 319-320, plate 10, figs. 50-53; *Nicidion Kinbergi*, n. sp., p. 320-321, plate 12, figs. 81-88; *Arabella opalina*, Verrill, p. 321; *Cenone diphylidia*, Schmarda, p. 321, plate 12, figs. 89-91; *Anthostoma ramosum*, Schmarda, p. 321; *Ophelina maculata*, n. sp., p. 322, plate 11, figs. 54, 55; *Arenicola cristata*, Stimpson, p. 323; *Cirratulus tenuis*, n. sp., p. 323, plate 11, figs. 56, 57; *Terrellia magnifica*, n. sp., p. 324, plate 11, figs. 58-60; *Enoplobranchus sanguineus*, Verrill, p. 324; *Protulides*, n. gen. *elegans*, n. sp., p. 325-326, plate 11, figs. 63-74; *Sabella melanostigma*, Schmarda, p. 327; *Hydroides dianthus*, Verrill, p. 327.

Journal courier. New Haven. folio.

ON the Bermuda Islands. Vol. 67 (no. 75, March 29, 1899), p. 6. (392)

NOTE.—A summary of a lecture, by Prof. A. E. Verrill, delivered, the previous evening, in the Sheffield Scientific School course.

Journal für Ornithologie. Herausgegeben von Dr. Jean Cabanis. Cassel. 8°.



Bermuda in Periodical Literature.

MARTENS, Edward von. Die Vögel der Bermuda-Inseln, nach Wedderburn und Hurdis, mit getheilt von Dr. Edouard von Martens. Vol. 7 (no. 39, Mai, 1859), p. 211-226. Y^H (393)

NOTE.—This is a review of JONES's *Naturalist in Bermuda*. The 151 species of birds given in that work have been rearranged by families as follows:—*Rapaces*, 13; *Insectivora*, 22; *Graminivora*, 16; *Coraces*, 2; *Scansores*, 2; *Alcyones*, 1; *Tenuirostres*, 1; *Chelidones*, 6; *Columbinae*, 3; *Gallinae*, 1; *Grallatores*, 44; and *Natatores*, 40. The last 3 or 4 pages are taken up with a general summary and description of the islands.

Journal of American folk-lore, Boston. 8°.

BOLTON, H. Carrington. Gombay, a festal rite of Bermudian negroes. Vol. 3 (no. 10, July-September, 1890), p. 222-226. A^S (394)

NOTE.—"The singular custom called *Gombay* [pronounced gumbay], maintained by the negroes, is supposed to be the survival of an ancient African rite, obviously highly modified by their civilized environment. The gombay parade is usually held on Christmas Eve between 11 p.m. and 2 a.m." This article contains the words of eight of the songs used in this rite.

Journal of botany, British and foreign. London. 8°.

HUNTER, Robert. Bermudian Ferns. Vol. 15; new series, vol. 6 (no. —, December, 1877), p. 367. Y^B (395)

NOTE.—Gives a list of ten ferns collected by the author in Bermuda, from August, 1863, to May, 1865 and determined by Mr. Baker, F. L. S., of Kew:—*Adiantum Capillus-Veneris*, Linn., variety?; *Pteris aquilina*, L., var. *caudata*, L.; *Asplenium Trichomanes*, L.; *Nephrodium (Lastrea) patens*, Desv.; *Nephrolepis exaltata*, Schott; *Polypodium (Goniopteris) tetragonum*, Schwartz?; *P. pectinatum*, L.; *Acrostichum (Chrysodeum) aureum*, Presl.; *Osmunda cinnamomea*, L.; *O. regalis*, L.

HEMSLEY, William Botting. Two new Bermuda plants. Vol. 21 (no. —, April, 1883), p. 104-105. Y^B (396)

NOTE.—"The following are the only probably endemic flowering plants in the Bermudas": *Erigeron Darrellianus*, n. sp. and *Statice Lefroyi*, n. sp. Both are fully described. Of the latter the author says: "This is probably the same plant identified as *Statice Carolinensis*, Nutt., by Dr. J. Rein."

HEMSLEY, William Botting. Bermuda plants in the Sloane Collection, British Museum. Vol. 21 (no. —, September, 1883,) p. 257-261. 1 plate and 2 wood-cuts. Y^B (397)

NOTE.—"The Bermuda plants in the Sloane Collection are only seven in number, yet among them are my *Erigeron Darrellianus* and a species of *Carex* [*Bermudiana*, Hemsley] hitherto undescribed; the others being *Sisyrinchium Bermudiana*; *Verbena urticifolia*; *Melilotus parviflora*; *Erigeron canadense*; *E. linifolius*; also a leaf labeled *Eupatorium Bermudense latifolium fuscis pallenscentibus*, Silverweed *nostratibus vulgo*; and a *Conyza urticifol*, which we have been unable to identify."

HEMSLEY, William Botting. *Sisyrinchium Bermudiana*. Vol. 22 (no. —, April, 1884), p. 108-110. Y^B (398)

NOTE.—This article gives an account of the literature of the subject and shows that there is a diversity between the North American *Sisyrinchium* and the Bermudian species, of which Lefroy says: "The flowers, which begin to appear in April, are as dear to the Bermudian as the primrose to the Englishman."—*Botany of Bermuda*, p. 113.

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Journal of botany. (Continued.)

MASTERS, Maxwell T. The Bermuda Juniper and its allies. Vol. 37 (no. 433, January, 1899), p. 1-11.

Y^B (399)

NOTE.—An exhaustive notice of the Bermuda Cedar, giving the literature of the subject in full from the earliest mention of it by May down to the present day. A complete synonymy is also given.

Journal of education. Boston and Chicago. 4°.

WEED, Clarence Moores. The Bermuda Easter lily. Vol. 47 (no. 14, April 7, 1898), p. 213-214. 2 illustrations. Y^C (400)

FREEMAN, Mary Fifield. A Bermuda school. Vol. 48 (no. 14, October 13, 1898), p. 236. Y^C (401)

Journal of malacology. London. 8°.

COCKERELL, Prof. D. T. A. A few notes on slugs. Vol. 6 (no. 1, April, 1897), p. 3-5. P^A (402)

NOTE.—The following species, obtained by the "Challenger" expedition from Bermuda and now in the British Museum, in the same bottle as some *Amalia gagates* from the same island, is described: *Agriolimax laevis* (sens. lat.). "It is possible that this slug is native in Jamaica, and that the Jamaica and Bermuda specimens may all represent a distinct West Indian race."—p. 4.

Kew Royal Gardens. Bulletin of miscellaneous information. London. 8°.

SHIPLEY, Arthur E. Onion disease at Bermuda, Vol. — (no. 10, October, 1887). 14 pp. 2 plates. H^B (403)

NOTE.—The author deals with the disease and its causes and the remedial measures to be employed. The disease is caused by a fungus *Peronospora Schleideniana*. After the plants are weakened by this, another fungus *Macrosporium parasiticum* attacks them. Two insects are also met with: the onion thrips and the onion fly *Anthomyia ceparum*.

BERMUDA. [Chief fruits grown in Bermuda.] Vol. for 1888 (no. 21, September, 1888), p. 216-217. Y^B (404)

NOTE.—Twenty-one fruits are named as growing in Bermuda. There is a tabulated list of 19 varieties, giving name, season, and local prices. No fruits are exported except bananas, avocado pears, loquats, strawberries, and melons.

MINOR industries in Jamaica and Bermuda. Vol. for 1894 (no. 94, October, 1894), p. 352-353. Y^B (405)

NOTE.—Raising spring onions and young potatoes for the New York market, lily bulbs for the United States and Europe, and arrowroot are among the industries attributed to Bermuda. "Altogether its small industries in 1893 furnished exports to the value of nearly £120,000."

CYNODON DACTYLON, Pers. Vol. for 1894 (no. 95, November, 1894), p. 377-378. Y^B (406)

NOTE.—"This is the plant called 'Bermuda Grass' in the United States and elsewhere."—Hensley.

FUNGI EXOTICI. I. Vol. for 1898 (no. 138, June, 1898), p. 113-136. P^A (407)

NOTE.—Bermuda, p. 133-134. Four species, all collected at St. George's, are given, of which 1 is new:—*Peronospora Lamii*, De Bary; *Epiclinium Cumminsii*, Massee (sp. nov.); *Uromyces striatus*, Schröt.; and *Graphiola Phoenicis*, Poit.

Bermuda in Periodical Literature.

Kingsley, John Stirling, editor. The Standard Natural History. Boston. 1885. 8°. YH (408)

NOTE.—At p. 210, vol. 3, reference is made to the angel-fish of the Bermudas as follows:—"The angel-fish of the West Indies and Bermudas, *Holocanthus ciliaris*, grows to a considerable size, attaining a weight of about four pounds, and Mr. Goode thinks that 'It as far surpasses all the other fishes of Bermuda in its delicious flavor as in its lovely hues.'"

Knickerbocker, The. New York. 8°.

[IRVING, Washington.] The Bermudas. A Shakspearian research; by the author of the Sketch-book. — Vol. 15 (no. 1, January, 1840), p. 17-25. — AS (409)

NOTE.—At page 22 appears the sub-title "The three kings of Bermuda and their treasure of ambergris."

Irving here connects the shipwreck of Sir George Somers with SHAKESPEARE'S *Tempest*. He opens with the following quotation from *A Plaine Description of the Bermudas: 1613*.—"Who did not think, till within these foure yeares, but that these islands had been rather a habitation for Divells, than fit for men to dwell in? Who did not hate the name, when hee was on land and shun the place when he was on the seas? But behold the misprision and conceits of the world! For true and large experience hath now told us, it is one of the sweetest paradises that be upon earth." See also his "Wolfert's Roost" (N. Y., 1855), p. 100-114.

[Krebs, Th.] The West Indian Marine Shells, with some remarks. A manuscript printed for circulation between collectors. By *.*. Nykjøbing, Falster, 1864. sm. 8°. 1 l. + [iv.] + 137 pp. PA (410)

NOTE.—The following species, which I have arranged under the names of the writers to whom they are credited, are ascribed to Bermuda:—ADAMS, C. B.—*Tritonium antillarum*, d'Orb., p. 22; *T. chlorostomum*, Lmk., p. 23; *T. cynocephalum*, Lmk., p. 23; *T. nobile*, Con., p. 23; *T. piliare*, L. & Lmk., p. 24; *Purpura trapa*, Bolt., p. 27; *Colymbella mercatoria*, L., p. 29; *C. ocellata*, Gml., p. 30; *Cassis Browne tuberosa*, L., p. 35; *Cypræassis testiculus*, L., p. 35; *Oliva litterata*, Lmk., p. 39; *O. oryza*, Lmk., p. 40; *O. reticularis*, Lmk., p. 40; *Natica canrena*, L., p. 66; *Pyramidella dolabrata*, L., p. 71; *Nerita peloronta*, L., p. 76; *Neretina viridis*, L., p. 78-79; *Calcar caelatus*, Chem., p. 81; *C. Tuber*, L., p. 82; *Tellina magna*, Spgl., p. 102; *Chama macrophylla*, Ch., p. 117; *Arca noae*, L., p. 125; *Modiolus americana*, Tarvart d'Herbigny, p. 128; *Pecten nodosus*, L., p. 134; *Spondylus fimbriatus*, Meusch., p. 135. REDFIELD—*Strombus accipitrinus*, Mart., p. 1; *S. costomuricatus*, Mart., p. 1-2; *S. gigas*, L., p. 2; *Cerithium litteratum*, Brug., p. 49; *Tellina bimaculata*, L., p. 100; *T. interrupta*, Solander, p. 102; *T. laevis*, Ch., p. 102; *T. radiata*, L., p. 103; *Capsa coccinea* (*Cardium*), Martyn., p. 105; *Cardium citrinum*, Ch., p. 115; *Lucina tigrina*, L., p. 121. KREBS—*Tritonium lanceolatum*, Mk., p. 23; *Turbo pica*, L., p. 80. ADAMS and R. SWIFT—*Chiton piceus*, Gml., 25 April, 1858, p. 90.

Lane, Rev. William G., and others. Five essays, as furnished to the Board of Agriculture, in response to an advertisement offering prizes for descriptions of the history of the Spiral Snails and the most efficacious, expeditious, and economical methods to effect their extermination. Hamilton, [1891]. sm. 8°. 1 l. + 22 pp. and cover-title. HB (411)

NOTE.—Essay by Rev. William G. Lane, p. 1-8; Mr. Theophilus Roache, p. 9-13; Wor. Morris A.M. Frith, p. 14-18; O. T. Middleton, Esq., p. 19-20; Miss Annie Feniston, p. 21-22. The two plates and map [referred to in Mr. Lane's

Bermuda in Periodical Literature.

Lane, Rev. William G., and others. (Continued.)

essay were not printed but were deposited by him in the Bermuda Library, at Hamilton, where they may be examined. The plates display thirteen species.

L. A. W. bulletin, (The) and Good Roads. Boston. 8°.

HASTINGS, Frank W. A good road in Bermuda. Vol. 25 (no. 9, February 26, 1897), p. 209. (412)

NOTE.—Photographic view of an ordinary country road in Bermuda, cut through the limestone rock, about one mile from the city of Hamilton.

JEFFCOTT, R. T. A puzzle-tree. vol. 29 (no. —, April 14, 1899), p. 518. 1 illustration. (413)

NOTE.—The "monkey-puzzle" tree, so-called, is in the Public Garden at St. George's, Bermuda. "This garden is beautifully laid out, containing nearly every known species of tropical plant (!), including two very fine species of the screw palm."

Lefroy, Sir John Henry. List of plants grown in Bermuda. [Hamilton?], 1873. folio. 16 folios. Privately printed. H^B (414)

NOTE.—Arranged alphabetically by scientific names, followed by popular name and place where found. It was deposited in the Public Library, by General Lefroy, for general information, with a view to its extension.

"The foundation of this list is one that was kindly made for Governor Lefroy by the late Mr. Perot in 1871 of the West Indian and other tropical plants growing in his own Garden, or known to him. This was much extended by the Hon. J. H. Darrell. It has subsequently been added to and corrected by Mr. Middleton, Gardener at Mount Langton [the Governor's residence], and by enquiries in various quarters including a comparison with the plants enumerated by Mr. J. M. Jones, in *The Bermuda Naturalist* (1850) so that it is hoped that . . . nothing very material is omitted."—leaf 1.

Leisure hour. London. 8°.

[BLAND, Capt. Edward Loftus.] Migratory and native birds of the Bermudas. By an officer of the Royal Engineers. Vol. 10 (no. 519, December 5, 1861), p. 773-775. Y^M (415)

Among the migratory birds are the following:—Eagle, *Falco fulvus*; Golden Plover, *Charadrius plumialis*; Jack snipe, *Scolopax gallinula*; Sandpiper, *Totanus hyphyoleucos*; Tawny owl, *Syrnium aluco*; and Boatswain bird; also the following native birds:—Redbird, *Cardinalis rubra*; Bluebird, *Sialia sialis*; Catbird or mocking-bird, *Turdus felinus*; Ground-dove, *Columba carolinensis*; Kingfisher, *alcedo halcyon*; Chick of the village; Crow, *Corvus*; and Herons.

MITCHELL, Lieutenant E. Bermuda. Vol. 12 (no. 609, August 29, 1893), p. 551-555. 1 full-page woodcut. A^S (416)

NOTE.—This article deals with Bermuda as a convict establishment, ending with a brief account of the visit of H. R. H. Prince Alfred, in May, 1861.

BERMUDA floating dock. Anon. Vol. 19 (no. 950, March 12, 1870), p. 168-170. 1 woodcut. A^S (417)

Leslie's weekly. New York. folio.

BERRY, Olive Shippen. Where Easter lilies come from. Vol. 92 (no. 2, 378, April 6, 1901), p. 332. (418)

NOTE.—"This great industry has practically developed within the past fifteen years, and, moreover, the demand increases so rapidly that the growers find the supply inadequate, and the lily estates are extended and new ones spring up each year."

A
TRUE DECLARATION OF THE
estate of the Colonie in

VIRGINIA,

With a confutation of such scandalous reports as haue tended to the disgrace of so worthy an enterprise.

Published by aduise and direction of the
Councell of VIRGINIA.



LONDON,
Printed for *William Barret*, and are to be sold
at the blacke Beare in Pauls Church-yard.

1610.

TITLE-PAGE OF A TRUE DECLARATION OF THE ESTATE OF THE
COLONIE IN VIRGINIA; LONDON, 1610. See No. 271.

Bermuda in Periodical Literature.

Linné, Karl von. Species plantarum. Editio quarta. Berolini. 8°.

SISYRINCHIUM Bermudiana. Tome, III, pars 1 (1800), p. 578-579. PA (419)

NOTE. — "Habitat in Bermudis."

Linnean society. Journal. Botany. London. 8°.

MOSELEY, Henry Nottridge. On the Marine Algæ of St. Thomas and the Bermudas, and on *Halophila Baillonis*, Asch. Vol. 14 (1875), p. 311-317. YH (42c)

NOTE. — Prof. George Dickie supplied the writer with the determinations of the Bermuda specimens (p. 313-316.) See the following entry.

DICKIE, George. [Marine Algæ of] Bermuda. Vol. 14 (no. 77, October 17, 1874), p. 313-316. YH (421)

NOTE. — The algæ collected by Mr. Moseley, of the "Challenger" expedition, while at Bermuda were submitted to Professor Dickie for determination. They numbered 44, of which 1 was new: — *Haliseris Justii*, Lamx.; *Padina Pavonia*, Lamx.; *Zonaria variegata*, Lamx.; *Z. lobata*, Ag.; *Dictyota Bartyresiana*, Lamx.; *D. ligulata*, Ktz.; *D. dichotoma*, Huds.; *Asperococcus sinuosus*, Bory; *Mesogloia virescens*, Carm.; *Polysiphonia exilis*, Harv.; *P. subtilissima*, Mont.; *Dasya Tumanowiczii*, Gatty; *Laurencia obtusa*, Lamx.; *L. gemmifera*, Harv.; *Melobesia pustulata*, Lamx.; *Gracilaria cervicornis*, J. Ag.; *G. confervoides*, Grev.; *G. ferox*, J. Ag.; *G. Poilei*, Lamx.; *Hyphæa cornuta*, J. Ag.; *Eucheuma isiforme*, J. Ag.; *Peyssonelia Dubyi*, Crouan; *Liagora valida*, Harv.; *Galaxaura lapidescens*, Lamx.; *G. rugosa*, Lamx.; *Scinaia furcellata*, Bivona; *Kallymenia reniformis*, J. Ag. (?); *Chrysomenia halymenioides*, Harv.; *C. Agardii*, Harv.; *C. dichotoma*, J. Ag. (?); *Centroceras clavulatum*, Ag.; *C. Cryptacanthum*, Ktz.; *Caulerpa clavifera*, Ag.; *C. mexicana*, Sonder; *Udotea conglutinata*, Lamx.; *Rhipilia longicaulis*, Ktz.; *Codium tomentosum*, Stackh.; *Vaucheria* — (?); *Penicillus dumentosus*, Dne.; *Struvea ramosa*, n. sp.; *Enteromorpha compressa*, Grev.; *Cladophora luteola*, Harv.; *C. prolifera*, Ktz.; *Chaetomorpha ærea*, Dillw.

MOSELEY, Henry Nottridge. Notes on the vegetation of Bermuda. Vol. 14 (1875), p. 317-321. YH (422)

NOTE. — "The terrestrial vegetation of the islands divides itself over five principal stations, each of which has a flora more or less peculiar to itself. These are: — the coast-line with its littoral flora; the peat-bogs or marshes; the shallow, brackish ponds; the caves; and the remaining general land surface. On the whole about 160 species of flowering plants were collected in Bermuda . . . probably not more than one hundred are true Bermuda plants."

BERKELEY, Rev. M. J. Enumeration of Fungi collected during the expedition of H. M. S. "Challenger," February-August, 1873. Vol. 14 (no. 77, October 17, 1874), p. 350-354. YH (423)

NOTE. — The following thirteen species were collected at Bermuda, April, 1873: — *Agaricus (Galera) tener*, Schæff; *Agaricus (Entoloma)* [sp. Berkeley]; *Agaricus (Eccilia) rhodocalyx*, Lasch.; *Agaricus (Mycena) corticola*, Schum.; *Agaricus (Panæolus) papilionaceus*, Bull.; *Marasmius obscuratus*, B. and Br., Linn. Jour. xiv. p. 38; *Stereum lobatum*, Fr.; *Polyporus obliquus*, Fr.; *Uredo Vincetoxicii*, DC.; *Lycogala epidendrum*, Fr.; *Hypoxylon multiforme*, Fr.; *Sphæria mammaformis*, P.; *Asterina pelliculosa*, B.; and two doubtful species. See pages 351 and 352.

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Linnean society. (Continued.)

STIRTON, Dr. James. Enumeration of the Lichens collected by H. N. Moseley, M. A., naturalist to H. M. S. "Challenger," in the Islands of the Atlantic Ocean. Vol. 14 (no. 77, October 17, 1874), p. 336-375.

Y^H (424)

NOTE.— Twenty-five species, recorded on p. 369-372, were collected at Bermuda, of which seven were new: — *Leptogium tremelloides*, Fr., var. *mesotomum*, Stirn.; *L. marginellum*, Ach.; *Cladonia turgida*, Hffm., var. *conspicua*, Del.; *C. turgida*, var. *elegans*, Del.; as well as one or two others; *C. botrytes*, Hffm.; *Ramulina bermudiana*, sp. nov.; *Parmelia tiliacea*, var. *scortea*, Ach.; *P. physodes*, var. *labrosa*, Ach.; *Physcia speciosa*, Fr.; *P. stellaris*, Fr.; *Lecanora varia*, var. *synnuicta*, Ach.; *L. subfusca*, var. *argentata*, Ach.; *L. angulosa*, Ach., var. *albo-pruinosa*, St.; *Petusaria leioplaca*, Ach.; *P. melaleuca*, Sm.; *Lecidea caliginosa*, sp. nov.; *L. euphoriza*, sp. nov.; *L. semiusta*, sp. nov.; *L. reverteus*, sp. nov.; *Graphis Afzelii*, Ach.; *G. punctiformis*, Eschw.; *G. nematodes*, sp. nov.; *Arthonia interveniens*, Nyl., Nov. Gran. 1. p. 68; *A. velata*, sp. nov.; *Trypethelium cruentum*, Mnt.

BERKELEY, Rev. M. J. Enumeration of Fungi collected during the expedition of H. M. S. "Challenger." (Second notice.) Vol. 15 (no. 82, March 3, 1876), p. 48-53.

Y^H (425)

NOTE.— The Bermuda species, ten in number, of which five are new, are given on p. 48-49, nos. 40-49: — *Agaricus (Mycena) aliphophorus*, B. [n. sp.]; *A. (Nolanea) helictus*, B. [n. sp.]; *Marasmius bermudensis*, B. [n. sp.]; *M. sabali*, B. [n. sp.]; *Polyporus (Mesopus) arcularius*, Fr.; *Hirneola coffeicolor*, B. [n. sp.]; *Sporidesmium antiquum*, Cd., var. *sparsum*; *Geoglossum hirsutum*, P.; *Ustilago carbo*, Tul.; *Hypoxylon concentricum*, Grev.

MITTEN, William. The Musci and Hepaticæ collected by H. N. Moseley, M. A., naturalist to H. M. S. "Challenger." Vol. 15 (no. 82, March, 3, 1876), p. 59-73.

Y^H (426)

NOTE.— Eleven species were collected at Bermuda (p. 60-61), of which two were new: — *Eucladium verticillatum*, L.; *Tortula (Trichostomum) bermudiana*, Mitt. [n. sp.]; *T. melanocarpa*, Mitt. [n. sp.]; *Bryum dichotomum*, Hedw.; *Rhacopilum tomentosum*, Brid.; *Isopterygium tenebrum*, Sw.; *Cephalozia connivens*, Dicks.; *Pleuroschisma prostrata*, Sw.; *Aneura palmata*, Hedw.; *Otione Aitonia*, Nees ab E.; *Dumortiera hirsuta*, Sw.

DICKIE, Prof. George. Supplemental notes on Algæ collected by H. N. Moseley, M. A., of H. M. S. "Challenger," from various localities. Vol. 15 (no. 88, February 28, 1877), p. 486-489.

Y^H (427)

NOTE.— The following twelve species of Algæ were collected at Bermuda, in shallow water: — *Sargassum affine*, J. Ag.; *Amphiroa fragilissima*, L.; *Halimeda incrassata* Lamx., var. *monilis*; *H. tuna*, Lamx.; *Udotea flabellata*, Lamx.; *Codium difforme*, Ktz.; *Bryopsis plumosa*, Ag.; *Chlorodesmis vaucheriaformis*, Bailey; *Penicillus capitatus*, Lamk.; *Anadyomene flabellata*, Lamx.; *Ulva latissima*, L.; *Lyngbya majuscula*, Harv.

CROMBIE, Rev. James M. Contributions to the Botany of the "Challenger." The Lichens of the 'Challenger' expedition, with a revision of those enumerated by Dr. J. Stirton in Linn. Journ. Bot. xiv. pp. 366-375. Vol. 16 (no. 92, September 25, 1877), p. 211-231.

Y^H (428)

Bermuda in Periodical Literature.

NOTE.—Twenty-nine species, with descriptions, are given from Bermuda, (p. 214-217):—*Leptogium diaphanum* (Sw.), Ach. [= *L. tremelloides*, var. *mesotomum*, Strn.]; *L. tremelloides*, Ach. [= *L. marginellum*]; *Cladonia acuminata*, [* = var.] **hebesdens*, Nyl.; *C. fibula*, Ach. [= *C. turgida*, et var. *elegans*]; *C. mitrula*, Tuck. [= *C. botrytes*]; *Ramalina complanata*, (Sw.), Ach. [= *R. bermudiana*, Strn., sp. n.]; *Parmelia tinctorum*, Despr. [= *P. tiliacea*, var. *scortea*]; *P. perlata*, L. [= *P. physodes*, var. *labrosa*]; *Physcia Leana*, Tuck. [= *P. speciosa*]; *P. obsessa* (Mut.), Nyl., Syn. p. 426 [= *P. stellaris*]; *Lecanora subfusca*, **sylvestris*, Nyl., in Mand. Lich. Mader, No. 1; *L. Bermudensis*, Nyl. [= *L. subfusca*, var. *argentata*]; *L. chloronella*, Nyl. [= *L. varia*, var. *symmetrica*]¹; *L. glaucodes*, Nyl., in Flora, 1876, p. 509, **conflectens*, Nyl. [= *L. angulosa*, var. *albo-pruinosa*, Strn.]; *Pertusaria papillata* (Ach.), Nyl. [= *P. leioplaca*]; *P. pustulata*, Ach. [= *P. melaleuca*]; *Lecidea fuscobesens*, Nyl., L. fch. Adaman., p. 10 [= *L. caliginosa*, Strn., n. sp.], [*L. euphorbia*, Strn., sp. n.]; *L. semitusta*, Strn., sp. n.; *L. revertens*, Strn., sp. n.; *L. insperata*, Nyl., N. Gran., p. 31 [= *L. myriocarpa*, DC. ex Strn. in Sched.]; *Graphis Afzelii*, Ach.; *G. (Lecanactis) lobata*, Eschw. [= *G. punctiformis*]; *G. scripta*, Ach. [= *G. nematodes*, Strn., sp. n.]; *Arthonia polymorphoides*, Nyl., sp. n. [= *A. interveniens*]; *A. rubella*, **inferiuscula*, Nyl. [= *A. velata*, Strn., sp. n.]; *Verrucaria ruderella*, Nyl., sp. n.; *Endococcus thalamita*, Nyl., sp. n.; *Trypethelium cruentum*, Mut.

¹ For discussion on this species see "Remarks on Mr. Crombie's Paper on the 'Challenger' Lichens in Journ. Linn. Soc. vol. xvi. By James Stirton," in Journ. Linn. Soc. Bot. v. 17, p. 154-155.

Linnean society. Journal. Zoology. London. 8°.

WATSON, Robert Boog. Mollusca of H. M. S. 'Challenger' expedition. [Part] III. Trochidae. Vol. 14 (no. 78, April 23, 1879), p. 586-605. YH (429)

NOTE.—One species, *Sequenzia formosa*, Jeffer., p. 587, is here recorded as taken at Station 56, off Bermuda, in 1,075 fathoms. This same species was recorded in the final report of the 'Challenger' expedition, (Part 42, vol. 15, p. 105-106) under the name *Sequenzia monocingulata*, Sequenza.

WATSON, Robert Boog. Mollusca of H. M. S. 'Challenger' expedition. [Part] IV. Trochidae, continued. Vol. 14 (no. 80, September 2, 1879), p. 692-716. YH (430)

NOTE.—Three species, all of which were new, were obtained at Bermuda, Station 56, in 1,075 fathoms:—*Trochus (Ziziphinus) tiara*, W., p. 696-698; *T. (Margarita) infundibulum*, W., p. 707-708; and *T. (Margarita?) scintillans*, W., p. 712-713.

DOBSON, George Edward. Notes on Aplysia dactylomela. Vol. 15 (no. 83, September 3, 1880), p. 159-160. 2 illustrations. YH (431)

NOTE.—"The specimen which forms the subject of the following notes was obtained by Mr. R. Vacy Ash, M. B., Surgeon, Army Medical Department, in February last at Bermuda."—p. 159.

WATSON, Robert Boog. Mollusca of H. M. S. 'Challenger' expedition. Part VII. Vol. 15 (no. 85, March 25, 1881), p. 245-274. YH (432)

NOTE.—Two new species from Bermuda are here described, Station 33, in 435 fathoms:—*Natica radiata*, n. sp., p. 258-260. Station 56, in 1,075 fathoms:—*Dunkeria falcifera*, n. sp., p. 250-252.

WATSON, Robert Boog. Mollusca of H. M. S. 'Challen-

Bermuda in Periodical Literature.

Linnean society. (Continued.)

ger' expedition. Part IX. Vol. 15 (no. 88, November 3, 1881), p. 413-455. YH (433)

NOTE.—Two new species taken off Bermuda, at Station 56, in 1,075 fathoms, are here described:—*Pleurotoma (Mangelia) acanthodes*, n. sp., p. 433-435; and *P. (Mangelia) tiara*, n. sp., p. 440-441.

KIRBY, William Forsell. A revision of the Forficulidæ, with descriptions of new species in the British Museum. Vol. 23 (no. 147, January 24, 1891), p. 502-531. YH (434)

NOTE.—A new species is described from Bermuda, viz.:—*Anisobatis antennata*, sp. n., p. 517-518. "Possibly a variety of *A. azetica*, Dohrn."

Linnean society. Transactions. Zoology. London. 4°.

WILLEMOES-SUHM, R. von. On some Atlantic Crustacea from the 'Challenger' expedition. 2d series, vol. 1 (part 1, September, 1875), p. 23-59. Yc (435)

NOTE.—This article is divided into seven divisions. "No. 3. On a *Nebalia* from Bermudas," p. 26-28. He calls it *Nebalia longipes*. "No. 5. On the development of a land crab," p. 46-48. "Watching the habits of these crabs is always attended with some difficulties, as most of them are nocturnal. . . . Only in the Bermudas did we get Gecarcinoids:—the large *Cardisoma guanhumi*, which was caught by torch-light in the interior of the island, but all the specimens we got were males; besides, Mr. Moseley caught *Gecarcinus lateralis* and *Ocypoda rhombea*, and I myself caught several crabs allied to *Boscia*. I watched there also for a long time the lively *Grapsus cruentatus*, which lives in great quantities in Hungry Bay, among the mangrove trees. The holes, however, it always makes so near the shore that it is sure to find water at a depth of two or three feet. What its mode of development is I could not find out, as it was evidently not their breeding season [June]."

Lippincott's monthly magazine. Philadelphia. 8°.

WALSH, H. C. The Bermuda Islands. Vol. 46 (December, 1890), p. 854-861. YM (436)

NOTE.—A tourist's description with a little of the history of the islands worked in.

Literature. Edited by H. D. Traill. Published by *The Times*. London. 4°.

GOSLING, W. G. Shakespeare's "Tempest"; [by W. G. Gosling, of St. Johns, Newfoundland]. Vol. 4 (no. 77, April 8, 1899), p. 366-367 and (no. 78, April 15, 1899), p. 394-396. YA (437)

NOTE.—This writer begins by asking: "How far was Shakespeare influenced in writing the *Tempest* by the recently reported wreck of Sir George Somers at the Bermudas?" Kipling, in answer to a writer, in a weekly journal, who had endeavored to show that Shakespeare was not influenced by this event, felt impelled to uphold Bermuda's claim to be that island and to give his opinion upon the question, based upon his impressions received on the spot. "His surmise that Shakespeare obtained on account of 'Sir George Somers' shipwreck from a sailor just returned from that disastrous voyage is particularly happy, and impresses one with its probability." The writer of this paper goes on to compare passage after passage of Strachey's narrative of the shipwreck with over thirty in the *Tempest*. Their similarity is so striking that the conclusion is but natural that Shakespeare knew of Sir George Somers' wreck and made free use of its incidents in his drama.

Bermuda in Periodical Literature.

Littell's living age. Boston. 8°.

FOOTE, Mr.—Life and people at the Bermudas. Vol. 23 (no. 292, December 22, 1849), p. 533-534.

Yc (438)

NOTE.—This description was written by Mr. Foote for the *Buffalo Commercial Advertiser*. The natural strength of Bermuda has been greatly increased by numerous fortifications. So intricate are the channels that "no one ever thinks of taking in a vessel in the night." After describing Ireland Island, the convicts, troops, and town of Hamilton; Groopers' Pond, now better known as the "Devil's Hole," was visited and fully described. So ravenous are the groopers that "One gentleman drew out a fish that would weigh ten pounds; that had seized the crooked handle of his cane. A man's life, if in the pool with them, would be worth less than if thrown into a den of ravening panthers."

THE DEPTHS of the sea [a review]. *Anon.* 5th series, vol. 7 [whole no. vol. 122] (no. 1581, September 26, 1874), p. 771-793.

Yc (439)

NOTE.—From the *British Quarterly Review*. At page 776 occurs the following note: "The Bermuda group has been shown by the *Challenger* soundings to rise like a vast column from a small base lying at a depth of more than three miles; and since there is no submarine ridge of which it could be supposed to be an outlier, and the islands are themselves entirely composed of coral, it seems likely that we have here a typical exemplification of Mr. Darwin's remarkable doctrine, that though the reef-building coral animals cannot live and grow at a greater depth than twenty fathoms, yet that by the slow progressive subsidence of the bottom, and the contemporaneous addition of new coral to the summit, a pile of coral limestone may be built up (or rather may grow up) to any height." For an instance of "two species of coral growing luxuriantly" at a depth of 400 fathoms, see the note to Murray's article, in *Nature*, vol. 39, given below.

London international exhibition: 1862. Illustrated Catalogue of the Industrial department. London. 8°

BERMUDA. Vol. 3 (Colonial and foreign divisions), p. 7.

Yc (440)

NOTE.—Enumerates twenty different varieties of exhibits. As one would hardly expect to find many of these in an exhibition of the present day, it may be well to give the entire list. It comprised:—"Cedar furniture, &c.; specimens of woods; Samples of work in palmetto, straw, grasses, and flowers; Cotton, fibre; Lime-juice; Seeds; Pepper; Honey; Beeswax; Tannic acid; Starch; Models; Pumice and brain stones; Petrifications; Sponges; Marine specimens; Coral; Turtle-shell; Lime-stone; Lime, &c." HURDIS says:—"Whalebone from this species [*Balæna Atlantica*] was displayed amongst the Bermuda productions at the Great Exhibition of 1862."—HURDIS'S *Rough Notes*, p. 339.

London and Edinburgh philosophical magazine. London. 8°.

[SUMMARY of] "On the Geology of the Bermudas," by Lieutenant Nelson of the Royal Engineers. 3d series, vol. 5 [vol. 84] (no. 27, September, 1834), p. 222.

As (441)

NOTE.—Lieutenant Nelson's paper was read April 23, 1834, and subsequently appeared in the *Transactions of the GEOLOGICAL SOCIETY OF LONDON*, vol. 5, 2d series, pt. 1 (1837), p. 103-123.

Bermuda in Periodical Literature.

London and Edinburgh philosophical magazine. (Con.)

EMMETT, *Lieut.-Col. A.* Experiments made during a voyage, and at Bermuda, on Carbonic Acid in the Atmosphere. 3d series, vol. 11 [vol. 90] (no. 67, September, 1837), p. 225-227. As (442)

DALTON, John. Meteorological observations taken at Bermuda, in July, August, and September, 1836; and on September 21st, 1836, in accordance with the suggestions of Sir John Herschel. 3d series, vol. 11 [vol. 90] (no. 69, November, 1837), p. 449-452. As (443)

NOTE.—Observations were taken sixty feet above the level of the sea. Arranged by Dr. Dalton from the original observations of Lieut.-Col. Emmett.

EMMETT, *Lieut.-Col. A.* Meteorological observations for portions of the years 1836 and 1837, made at Bermuda; and a notice of an Aurora Borealis seen in low latitudes. 3d series, vol. 12 [vol. 91] (no. 71, January, 1838), p. 42-47. As (444)

NOTE.—Four tables are given.

EMMETT, *Lieut.-Col. A.* Meteorological observations taken at St. Georges, Bermuda, in the December half-year of 1837; introduced by Corrections of observations for the June half-year. 3d series, vol. 13 [vol. 92] (no. 79, July, 1838), p. 12-15. As (445)

NOTE.—Dated at Bermuda, March 31, 1838, and contains three tables.

London journal of Botany. London. 8°

HOOKER, *Sir William Jackson.* Brief descriptions, with figures, of *Juniperus Bermudiana*, the Pencil-Cedar Tree; and of the *Dacrydium elatum*, Wall,—by W. J. H. Vol. 2 (no. —, —, 1843), p. 141-145. 2 plates. Y^B (446)

NOTE.—“It is generally considered that this *Juniper* of Bermudas *originally* afforded the fragrant “Cedar-wood” of which pencils are made; but that this material becoming scarce and dear, recourse was had to the *J. Virginiana* of the United States, which, *now*, is the wood generally, if not solely, in use for that purpose.”—p. 144. Three pages are devoted to the *Juniperus Bermudiana* which is illustrated by a plate at the end of the volume.

REID, *Sir William.* The Bermuda Cedar. [Signed] W. R. Vol. 3 (no. —, —, 1844), p. 266-269. Y^B (447)

NOTE.—An interesting article giving an account of the growth of this tree and the practical purposes to which its wood is applied.

Ludgate, The. London. 8°

BELFORT, Roland. The land of the lily and the rose. Vol. 1, new series (no. 4, February, 1896), p. 410-419. 10 illustrations. (448)

Ludgate monthly. London. 8°

MITCHELL, *General.* Episodes of Bermuda life. Vol. 1 (no. 5, September, 1891), p. 264-268. 6 illustrations. (449)

Bermuda in Periodical Literature.

Lyell, Charles. Principles of Geology. Seventh edition. London, 1847, 8°. xvi. + 11. + 810 pp. YH (450)

NOTE.—References to the Bermudas may be found at pp. 747, 748-749, 764-765, and 767. Under the heading: "Rate of the growth of Coral," he says: "The natives of the Bermuda Islands point out certain corals now growing in the sea, which, according to tradition, have been living in the same spots for centuries. It is supposed that some of them may vie in age with the most ancient trees of Europe."—p. 748-749.

Magazine of American history, with notes and queries. New York. 4°.

RICH, R. Rich's News from Virginia. The lost flock triumphant. London, 1610. (A reprint.) Vol. 9 (no. 2, February, 1883), p. 134-137. YL (451)

NOTE.—This is a reprint from Bernard Quaritch's reprint of 1875. Of the original edition but two copies are known to be extant. Both are in private libraries; one in the Huth Library in London, and the other in a private collection in New York. It is a poetical account of the shipwreck of Sir Thomas Gates, Captain Newport, and Sir George Somers on the Bermudas (July 28, 1609, to May 10, 1610), and of their final escape to Virginia.

Mail and Express. Illustrated Saturday magazine. New York. folio.

BERMUDA lilies. May 6, 1899, p. 13. 2 illustrations. (452)

COCHRANE, H. D. Bailey's Bay, Bermuda. [View.] May 13, 1899, p. 10. (453)

NOTE.—View reproduced from a photograph.

DOUGHTY, G. E. Beach at Middleton Bay, Bermuda. [View.] October 14, 1899, p. 11, col. 2, 3. (454)

Maine Historical Society. Collections. Portland. 8°.

KOHL, Johann Georg. History of the discovery of Maine. 2d series, vol. 1 (1869). YL (455)

NOTE.—Discovery of Bermuda, p. 405-407. Treats of the discovery, projected settlement by the Spanish in 1527, and of Ribero's map. Other references to Bermuda are to be found on pp. 238, 301, 386, 411, 424, and 456 of the same volume.

Malakozoologisch Blatter. Cassel. 8°.

PFEIFFER, L. Zwei neue Landschnecken von Bermuda. 11er Band [Inr. 1], December, 1863, p. 1-2. YH (456)

NOTE.—To the two new species here described he gives the names *Helix Reiniana* and *Helix discrepans*.

Massachusetts Historical Society. Collections. Boston. 8°.

NEW Life of Virginea: Declaring the former successes and present estate of that plantation, being the second part of Nova Britannia. London, 1612. (A reprint.) Vol. 8, 2d series (1819—2d edition, 1826), p. 199-223. As Yc (457)

NOTE.—This work contains a reference to the shipwreck of the "Seaventure upon the desperate shore of the Ilands of Bermudus," on p. 204. "This curious little tract, of which mention can be found neither in the *Bibliotheca Americana* nor in the *American Library*, is republished from a copy in

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Massachusetts Historical Society. (Continued.)

the Boston Athenæum, a repository for scarce books relating to our country not excelled perhaps by any other in the world."—p. 199.

[JOHNSON, Edward.] A history of New England. From the English planting in the Yeere 1628. untill the Yeere 1652. London, 1654. 2d series, vol. 2-4, 7-8, various pages. Yt (458)

NOTE.—This work is more generally known by its running-title: "*Wonder-working Providence* of Sion's Saviour in New England." Reference to the Independent church in "Bermoodas" (vol. 8, p. 31-32), which is quoted in LEPROV'S *Memorials*, vol. 2, p. 9 *note*. This little church, being banished from Bermuda in 1649, settled on the island of Eleuthera.

Massachusetts Historical Society. Proceedings. Boston. 8°.

APPLETON, William S. Medals and coins relating to America. Vol. 11 (April, 1870), p. 293-305. Yc (459)

NOTE.—A specimen of the Bermuda hog money, the earliest English colonial coinage, is described on p. 294. On one side is represented a hog; a reference, no doubt, to the great number of hogs found by Sir George Somers upon the islands, when he was shipwrecked there in 1609.

SMITH, Captain John. New England Trials. Declaring the successe of 26 Ships employed thither within these fixe yeares. London, 1620. Vol. 12 (1873), p. 449-468. Wt (460)

NOTE.—There are two references to Bermuda in this early tract: "From which blessed Virgin[ia], where I stayed till I left five hundred English, better provided than ever I was (ere I returned), sprung the fortunate habitation of Somers Iles"—p. [460] and "Because *New Englands* fishing beginneth in mid-February the other not till mid-Maie, the progression hereof tends much to the advancement of *Virginia*, and the *Bermudas*; and will be a good friend in time of need to the Inhabitants of *New-found-land*."—p. [462-463].

Medical progress. Louisville, Ky. 8°.

HARVEY, Christopher. Endemic fevers at Bermuda. Vol. 5, new series (no. 12, December, 1890), p. 241-244. YN (461)

NOTE.—Reprinted from the *British Medical Journal*, Nov. 22, 1890, *q. v.* The writer was a surgeon at the Royal Naval Hospital, at Bermuda, from 1876 to 1879.

Medical review. A weekly journal of medicine and surgery. St. Louis. 8°.

MATTISON, J. B. Bermuda.—Winter days in Summer Islands.—Notes from the land of the lily and the rose. Vol. 29 (no. 23, June 9, 1894), p. 460-463. YN (462)

NOTE.—"Bermuda the most restful place on earth," p. 462.

Meteorologische Zeitschrift. Herausgegeben im Auftrage der Oesterreichischen Gesellschaft für Meteorologie und der Deutschen Meteorologischen Gesellschaft. Redigirt von Dr. J. Harm und Dr. G. Hellman. Wien folio.

ZUM CLIMA von Bermuda. Vol. 14 (nr. 8, August, 1897), p. 309-310. Yc (463)

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NOTE.—With two tables. Resultate meteorologischer Beobachtungen auf dem Bermudas: [1] St. George. 30° 23' N Br., 64° 40' WL., Seehöhe 43m. [2.] Station Hamilton, 32° 18' N Br., 64° 47' WL., Seehöhe 46 m.

Monthly illustrator. New York. 8°.

REILLY, William Benedict. Bermuda and the Lesser Antilles. Vol. 15 (no. 5, January, 1898), p. 1–82.

(464)

NOTE.—The date given on p. 1 is "December, 1897"; on cover, as above. Bermuda is described (with 3 illustrations) on pages 3–5.

Monthly weather review and Annual summary. Washington. 4°.

Yc (465)

WEST INDIA hurricane of September 8–13, 1899. Vol. 27 (no. 9, September, 1899), p. 396.

NOTE.—During the night of the 12–13th the hurricane center passed over or very near the Bermuda Islands, causing considerable damage in that group. The article contains an account of the damage done at Bermuda, furnished by the Associated Press.

Moseley, Henry Nottridge. Notes by a naturalist on the "Challenger"; being an account of various observations [etc.]; 1872–1876. London, 1879. 8°. xvi. + 620 pp. 2 colored plates, 88 woodcuts, and 1 folded map.

YA (466)

NOTE.—"Bermuda; April 5th to 21st, and May 27th to June 12th, 1873," p. 18–28, illustrated by 3 woodcuts.

Muséum d'histoire naturelle.

See Annales du Muséum d'histoire naturelle.

Nation, The. New York. 4°.

HEILPRIN'S Bermuda Islands. [A review.] Anon. Vol. 49 (no. 1274, November 28, 1889), p. 439.

As (467)

CATALOGUE of the Rawlinson manuscripts in the Bodleian Library. [Book notice.] March 28, 1901, p. 254–255.

YA (468)

NOTE.—Among the papers relating to America, catalogued in this work, appears "a copybook of papers relating to the Bermudas, 1615–88, [which] includes a collection of laws, 1623–63, and orders, 1622–61, additional to the printed laws of 1622, and letters and papers regarding the *quo warranto* brought against the Somers' Islands company."

National magazine. Boston. 8°.

BIGELOW, Poultney. Bermuda and the Boers; also, Its importance on the new highway of commerce. Vol. 16 (no. 3, June, 1902), p. 276–281.

(468a)

NOTE.—"All the prisoners have the regular British army ration served out to them—plus an extra allowance of beef. Indeed, from what I heard, it was the Boer who was doing well and the guarding Britons who had the hard work."—p. 277. "The lines of commercial intercourse are being modified by the Panama canal and Bermuda will find herself soon in the rush of a thoroughfare. We may regret the fact—but we cannot afford to ignore it."—p. 281.

Nature; a weekly illustrated journal of science. London. 8°.

JONES, John Matthew. A pelagic floating fish nest. Vol. 5 (April 11, 1872), p. 462.

Yc (469)

NOTE.—This naturalist says: "Among other rarities which I have been fortunate enough to procure since my arrival in the

Bermuda in Periodical Literature.

Nature. (Continued.)

Bermudas is a pelagic fish nest, . . . It was taken from a mass of gulf weed (*Fucus natans*) blown ashore about a month ago. . . . It is truly a wonderful specimen of Nature's handiwork; a house built without hands resting securely on the bosom of the rolling deep."

JONES, John Matthew. Recent observations in the Bermudas. Vol. 6 (August 1, 1872), p. 262. As (470)

NOTE.—Reprinted in *The American journal of science and arts*; Poole vol. 104, p. 414-416.

THOMSON, Sir C. Wyville. [Geological peculiarities of the Bermudas.] Vol. 8 (no. 196, July 31, 1873), p. 266-267. 1 woodcut. As (471)

NOTE.—This is a portion of part 5 of a series of articles entitled "Notes from the Challenger" which appeared in this volume of "Nature."

"CHALLENGER" Expedition, The. Bermuda. Anon. Vol. 9 (no. 228, March 12, 1874), p. 369-370. As (472)

NOTE.—This article treats of the vegetation of Bermuda.

CRUISE (The) of the "Challenger." Vol. 14 (no. 344, June 1, 1876), p. 93-105. Yc (473)

NOTE.—The part relating to the Bermudas is found on p. 97-98, and contains four views of Bermuda.

[GOODE'S Catalogue of the fishes of the Bermudas: a book notice.] Vol. 14 (no. 351, July 20, 1876), p. 261. Yc (474)

NOTE.—"The first complete account of the ichthyology of that portion of the world."

GOODE, George Brown. The Bermuda lizard. Vol. 17 (no. 439, March 28, 1878), p. 425. As (475)

NOTE.—The author states that the *Plestiodon longirostris* has never been found elsewhere than in Bermuda and is not "a common American lizard" as it is called by Mr. Wallace in his "Geographical distribution of animals," N. Y., 1876, vol. 2, p. 135.

MERRIFIELD, Mary P. Gulf-weed. Vol. 18 (no. 470, October 31, 1878), p. 708-711. Yc (476)

NOTE.—"Specimens 'covered with fructification' have been found by Mr. Moseley, the naturalist of the *Challenger* expedition, in Harrington Sound, Bermudas, which islands lie in the very heart of the Sargasso Sea."—p. 710. This article also contains other references to the Bermudas.

JONES, John Matthew. The Gulf-weed (*Sargassum bacciferum*) a means of migration for fishes and marine invertebrates. Vol. 19 (no. 486, February 20, 1879), p. 363. Yc (477)

NOTE.—Large quantities of the Gulf-weed are washed up on the shores of Bermuda by the winter storms. It is utilized by the farmers as a fertilizer. In it are found various species of pelagic and littoral crustaceans, many of which are enumerated in this article. In this connection see also his Introduction to *Bulletin, No. 25 of the UNITED STATES NATIONAL MUSEUM* (1884), p. ix-x.

MOSELEY, Henry Nottridge. Remarkable discovery of a murder in Bermuda. Vol. 22 (no. 556, June 24, 1880), p. 170. As (478)

NOTE.—Mainly an extract from a letter by Sir J. H. Lefroy to the author narrating how the body of a submerged corpse was discovered by a calm, similar to that caused by oil, in Long Bay channel.

Bermuda in Periodical Literature.

MURRAY, John. The structure and origin of coral reefs and islands. Vol. 22 (no. 563, August 12, 1880), p. 351-355. Yc (479)

NOTE.—Two references to Bermuda, for which see entry under Murray in the *Proceedings of the Royal Society of Edinburgh*.

HEMSLEY, William Botting. The Botany of the "Challenger" expedition. Vol. 27 (no. 698, March 15, 1883), p. 462-463. Yc (480)

NOTE.—An entire column is given to the Botany of Bermuda, in which the literature of the subject is noticed. "The earliest references we find to the vegetable productions of these islands are in the "History of the Bermudæ," edited by Sir J. H. Lefroy."—p. 463.

IRVINE, Robert. Tables showing solubility of carbonate of lime, under different forms, in sea water, in grammes per litre. Vol. 37 (no. 965, April 26, 1888), p. 605. Yc (481)

NOTE.—Four materials from Bermudas were included in these tests, viz.:—Harbour mud; *Isophyllia dipsacea*, Dana; *Millepora ramosa*, Pallas; and *Porites clavaria*, Lamk.

BEDDARD, Frank Evers. The tail-bristles of a West-Indian Earthworm. Vol. 39 (no. 992, November 1, 1888), p. 15-16. Yc (482)

NOTE.—A description of an earthworm received from Bermuda, which the writer thinks may belong to the genus *Urochæta*.

WILSON-BARKER, David. Currents and coral reefs. Vol. 39 (no. 1008, February 21, 1889), p. 389-390. Yc (483)

NOTE.—Reference is here made to the Challenger and Argus Banks and the relation existing between them and Bermuda and their effects in causing the coral reefs on the north-west and south-west sides of these islands.

MURRAY, John. Structure, origin, and distribution of coral reefs and islands. Vol. 39 (no. 1009, February, 28, 1889), p. 424-428. Yc (484)

NOTE.—A lecture delivered at the Royal Institution, March 16, 1883, revised. "When the *Challenger* sounded along the west coast of Africa, there was no suspicion that between her stations she was sailing over submerged cones. Since then, however, the soundings of telegraph ships have correctly mapped out no less than seven of these peaks between the latitude of Lisbon and the island of Teneriffe. The depths on the summits of these vary from 12 to 500 fathoms. On one of them, at 400 fathoms, two species of coral (*Lophohelia prolifera* and *Amphihelia oculata*) were growing luxuriantly. Throughout the ocean basins about 300 such submarine cones, rising from great depths up to within depths of from 500 to 10 fathoms from the surface, are already known, or indicated by soundings."—p. 425. References to Bermuda occur on pp. 425 and 427.

TARR, Ralph Stockman. A query concerning the origin of atolls. Vol. 54 (no. 1388, June 4, 1896), p. 101. Yc (485)

NOTE.—Granting an atoll ring formed in the mid-ocean in the way which the theory supported by Dr. Murray and others demands, would we not of necessity have first a ring of reef or beach rock, then coral sand which with age continued to rise in elevation until the Bermuda stage was reached?

Bermuda in Periodical Literature.

Nature. (Continued.)

MORRISON, W. K. Suggested reef boring at the Bermuda Islands. Vol. 55 (no. 1410, November 5, 1896), p. 5-6. Yc (486)

NOTE.—The failure of the Royal Society boring expedition suggests to the author: "to call attention to the great value of the Bermudas as a permanent home for a scientific station, and where borings might readily be conducted at any convenient time. A glance at the map will show that the fauna of the deep sea, of coral reefs, the avifauna of the ocean, and a complex meteorology, may all be studied at one and the same station, and in close proximity to New York and Halifax."—p. 5.

SAVILLE-KENT, W. Suggested reef boring at the Bermudas—and elsewhere. Vol. 55 (no. 1414, December 3, 1896), p. 109. Yc (487)

NOTE.—This writer differs from the preceding one as to the value of the Bermudas as a station for reef borings, owing to the numerous caverns and fissures which, in his judgment, would render the results of such borings of a negative value through the uncontrollable infiltration of sea-water.

CHANGES of level in the Bermuda Islands, by Prof. Ralph S. Tarr. Vol. 55 (no. 1422, January 28, 1897), p. 311. Yc (488)

NOTE.—A summary of his paper read before the London Geological Society, Jan. 6, 1897. "It appears that most of the work of construction of the Bermudas has been done in recent times." (See NATURE, vol. liv., p. 101.)

L., R. Rough notes and memoranda relating to the natural history of the Bermudas. By the late J. L. Hurdis. [A review.] Vol. 55 (no. 1435, April 29, 1897), p. 604. Yc (489)

NOTE.—"A few illustrations of birds and scenery would... have considerably lightened the perusal of a very readable book." It might have been added, by the reviewer, that the insertion of a good index would have greatly enhanced the value of the work.

BRISTOL, Charles Lawrence. Marine biology at the Bermudas. Vol. 57 (no. 1465, November 25, 1897), p. 90-91. Yc (490)

NOTE.—An account of the observations of an expedition of the biological department of New York University, by Prof. Charles L. Bristol, contributed to *Science*, is the source from which the particulars in this article have been derived.

Nautical magazine and Journal of naval reserves. London. 8°.

SMALL, H. Beaumont. In the Bermudas. Vol. 67 (no. 8, August, 1898), p. 556-561. Wl (491)

NOTE.—"Bermuda, as well as being styled 'the land of the lily and the rose,' may also be called 'the last surviving relic of Eden.'"—p. 561.

Nautical magazine and naval chronicle. London. 8°.

NAUTICAL rambles.—Bermuda Islands. Anon. Vol. for 1840 (nos. 6, 8, 9 and 11, June, August, September and November, 1840), p. 407-417, 555-565, 647-658, 768-779, also vol. for 1841 (nos. 3 and 4, March and April, 1841), p. 160-169, 249-253. I woodcut.

Bnl (492)

Bermuda in Periodical Literature.

NOTE.—The following amusing comment appears in a note, p. 561 for 1840: "The Vankee Tar may generally be distinguished by his ear-rings (!!) and red flannel shirt; when he speaks, you cannot mistake him; his Christian name is usually scriptural."

LEAVES from a journal. *Anon.* Vol. 37 (nos. 8 and 9), August and September, 1868), p. 401-407, 477-482. Y^M (493)

NOTE.—Only the second part of this article (p. 477-482) relates to Bermuda.

FLOATING dock (The) for Bermuda. *Anon.* Vol. 37 (no. 10, October, 1868), p. 567-569. — Y^M (494)

Nautilus; a monthly journal devoted to the interests of conchologists. Philadelphia, 8°.

ALDRICH, T. H. [Bermuda shells.] Vol. 3 (no. 1, May, 1889), p. 9. Y^C (495)

NOTE.—Four species are mentioned:—*H. (Fruticicola) similis*, Fer.; *Tridopsis appressa*, Say; *Stenogyra decollata*, L.; and *S. octona*, Chem. The first "three have been probably introduced in the past 25 years," the latter "is not mentioned by Bland." The following manuscript note on one of the fly-leaves of this volume in the library of the Academy of Natural Sciences of Philadelphia is of general interest. "The *Nautilus* is a continuation of the 'Conchologists' Exchange,' and begins with vol. III, no. 1. The first number of the 'Exchange' was printed on a postal card and contains nothing but a list of shells for exchange by Mr. Averell, Dec. 8/91."

Naval and military magazine. London, 8°.

BLATHWAYT, Raymond. Is Bermuda safe? Vol. 2 (no. 6, June, 1898), p. 56-58. (496)

NOTE.—A discussion concerning the strength of Bermuda's fortifications and their ability to withstand capture by a hostile force.

MITCHELL, Colonel E. Our Gibraltar of the West; or, Bermuda past and present. Vol. 3 (no. 3, September, 1898), p. 202-207. 3 illustrations. (497)

NOTE.—A descriptive and historical account of the islands. Among other subjects treated are—convict establishment; blockade running during the Civil War; visits of Princess Louise (1883) and of Prince Alfred (1861); epidemics from 1699 to date; etc.

Naval chronicle, The. London, 8°.

PORGAY, *pseud.* Account of the watering tank at [Tobacco Bay] Bermudas. Vol. 9 (no. 2, February, 1803), p. 109-111. 1 plate. Bn^L (498)

NOTE.—An early description of the government's tank on St. George's Island, with references to Sir George Somers' shipwreck, Shakespeare, Donne, storms, Murray's anchorage, reefs and channels, and the pilots of the islands.

[CAPTURE (The) of the United States frigate "President," by the British squadron, January, 15, 1815.] Vol. 33 (nos. 2, 3, and 5, February, March, and May, 1815), p. 156-158, 215-217, 370-371, and vol. 35 (no. 1, January, 1816), p. 31-39. Y^M (499)

NOTE.—Official documents and private letters, as follows:—Account of the capture, with a comparative tabulated statement of the force, of the two vessels, vol. 33, p. 156-158. — Commodore Decatur's account, to the Secretary of the Navy, of the capture of the "President," p. 215-217. — "Endymion"

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Naval chronicle, The. (Continued.)

and the "President," with Commodore Decatur's deposition taken before the Admiralty Court of St. George's, Bermuda, January, 1815, p. 370-371.—Action between the "Endymion" and the "President," containing extracts from the official letters of Rear-Admiral Hotham and of Captains Hayes and Hope, vol. 35, p. 31-32. — Extracts from Commodore Decatur's letter (see above), with commentary on the same, p. 32-33. — Commodore Decatur's second letter, dated New York, March 6, called out by the account of the engagement in the Bermuda Gazette in January, p. 34. — Minutes of the action between H. M. S. "Endymion" and the United States ship "President," on the 15th of January, 1815, extracted from the "Endymion's," Log-book, p. 34-35. — Force of the "President," p. 35. — Force of the "Endymion," losses, and comparison of the two vessels, p. 36-39. We here have the English side of the controversy. For the American side see *Niles' Weekly Register*.

Neill, Edward Duffield. Early settlement of Virginia and Virginiola [Bermuda] as noticed by poets and players. Minneapolis, 1878. 8°.

RICH, R. Nevves from Virginia. The lost flocke triumphant; [etc.]. By R. Rich, Gent., one of the voyage. p. 29-35. As (500)

NOTE.—A reprint of an exceedingly rare pamphlet. See preceding entry under the MAGAZINE OF AMERICAN HISTORY.

Neues Jahrbuch für Mineralogie, Geologie, und Palaeontologie. Stuttgart. 8°.

BOETTGER, O. Übergänge von Eratopsis zu Erato. Hörnes' und Auinger's neuestes Werk. Realia fossil. Lebende Vertreter Zweier Hochheimer untermiocäner Landschnecken. 2 Band [Erstes Heft] (1884), p. 136-139. Yc (501)

NOTE.—"Dr. O. Boettger proposed in 1884, for the lower Miocene fossil *Helix imbricata* Braun, and the *H. Bermudiensis* Pfr., the name of *Pacilozonites*. He gave no diagnosis of the new group, but assigned it a position between the typical Palæarctic *Zonites* and the American groups *Zonyalina* and *Moreletia*, a position which the anatomical characters prove to be erroneous."—PILSBRY in HEILPRIN'S *Bermuda Islands*, p. 191-192.

New England historical and genealogical register. Boston. 8°.

GREENWOOD, Isaac J. Bermuda during the American Revolution, Vol. 50 (no. 4, October, 1896), p. 441-445. YL (502)

NOTE.—On the night of August 14, 1775, the powder magazine in St. George's, Bermuda, was forcibly entered and the whole of its contents removed. Soon after 100 barrels of powder were received by the Continental Army, then in great need of it. In return for this aid, provisions were sent to the suffering Bermudians the following year, by vote of Congress. Also issued as a separate.

New England magazine. Boston. 8°.

HALLOCK, Charles. Bermuda in blockade times. *Poole* vol. 12 (no. 3, May, 1892), p. 337-343. As (503)

NOTE.—Excepting the first twenty-three lines, this is identically the same as "Bermuda and the blockade" which appeared in the "Galaxy" for April 15, 1867.

BOLTON, Charles Knowles. Bermuda. [A poem.] n. s., vol. 10 [—, vol. 16], (no. 4, June, 1894), p. 441. 2 illustrations. JF (504)

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New Englander. New Haven. 8°.

NEILL, Edward Duffield. A chapter of American church history. Vol. 38 (no. 151, July, 1879), p. 471-486. As (505)

NOTE.—A history of the Independent Church in Bermuda from its settlement (1612) to 1669. "In Paget's parish, on the afternoon of the 31st of January, 1643-4, White, Goulding, and Copeland, standing together in the body of the church, did publicly renounce their ministry in the Church of England, and then formed an Independent Church, which, on the 15th of the following May, elected White as pastor, Goulding as elder, and Copeland as deacon."—p. 478.

New Hampshire historical society. Collections. Manchester. 8°.

LIST of documents in the Public Record Office in London, England, relating to the province of New Hampshire. With notes and indexes by Albert Stillman Batchellor. Vol. 10 (1893). YH (506)

NOTE.—Among the documents here indexed are twelve (1684-1741) relating to the Bermudas. See pages 61, 168, 190, 351, 443, 444, 451, 452, 453(2), 464, 512. These documents relate to the charter, seal, powder duty, officers in Court of Admiralty, colours to be worn by ships, and of the Bermudas and other American colonies.

New York academy of sciences. Annals. New York. 8°.

M'MURRICH, James Playfair. Notes on some Actinians from the Bahama Islands collected by the late Dr. J. J. Northrop. Vol. 9 (no. —, July, 1896), p. 181-194. Yc (507)

NOTE.—This article contains the author's added description and information concerning the *Diplactis bermudensis*, M'Murrich (1889), p. 186-187, and is illustrated by 3 figures, plate 17, which are of natural size and are colored. They were drawn by Mrs. Northrop from Dr. Northrop's description of the coloration and form of the living animal.

CLARK, Hubert Lyman. Notes on the Echinoderms of Bermuda. Vol. 11 (no. 19, September, 1898), p. 407-413. Yc (508)

NOTE.—Also issued separately with cover title. (Compiler's collection.) These are notes upon 28 species collected in the summer of 1897 by Prof. Charles L. Bristol's party. Prof. Heilprin's list numbered but 20 species. The following species are enumerated:—ASTEROIDS: *Asterias tenuispina*, Lamk. = *A. atlantica*, Verrill; *Asterina folium*, Ltk.; *Linckia guildingii*, Gray.—OPHIURIDS: *Ophiactis mülleri*, Ltk.; *Ophiocoma crassispina*, Say; *O. pumila*, Ltk.; *Ophiomyxa flaccida*, Ltk.; *Ophioneis reticulata*, Ltk.; *Ophiostigma isacantha*, Say; *Ophiura appressa*, Say.—ECHINODS: *Cidario tribuloides*, Bl.; *Diadema setosum*, Gray; *Hipponotus esculenta*, Leske; *Echinometra subangularis*, Leske; *Toxopneustes variegatus*, Lamk.; *Mellita sexforis*, Ag.; *Echinoneus semilunaris*, Lamk.; *Brissus unicolor*, Kl.—HOLOTHURIANS: *Cucumaria punctata*, Ludw.; *C. (Semperia) bermudensis*, Heilp.; *Holothuria floridana*, Pourt.; *H. captiva*, Ludw.; *H. abbreviata*, Heilp.; *H. surinamensis* (?), Ludw.; *Stichopus diaboli*, Heilp.; *S. möbii*, Semper = *S. xanthomela*, Heilp.; *S. haytiensis*, Semper; *Synapta vivipara*, Oerst.

CLARK, Hubert Lyman. Further notes on the Echinoderms of Bermuda. Vol. 12 (no. 7, July 7, 1899), p. 117-138. 1 plate. Yc (509)

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New York academy of sciences. (Continued.)

NOTE.—Also issued separately. (Compiler's collection.) Notes on the collection made by the New York University party, under Professor Bristol, in 1898. They comprise the following species:—ASTEROIDEA or Starfishes: *Luidia clathrata*, Say; *Asterina folium*, Ltk.; *Linckia guildingii*, Gray; *Asterias tenuispina*, Lamk.—OPHUROIDEA or Brittle Stars: *Ophiura appressa*, Say; *Ophiactis mülleri*, Ltk.; *Ophiomereis reticulata*, Say; *Ophiostigma isacantha*, Say; *Ophiocoma echinata*, Lamk.; *O. pumila*, Ltk.; *Ophiomyxa flaccida*, Say.—ECHINOIDEA or Sea-urchins or Sand-dollars: *Cidaris tribuloides*, Lamk.; *Diadema setosum*, Gray; *Echinometra subangularis*, Leske; *Toxopneustes variegatus*, Lamk.; *Hipponoe esculenta*, Leske; *Mellita sexforis*, A. Ag.; *Echinoneus semilunaris*, Gmel.; *Brissus unicolor*, Kl.—HOLOTHURIOIDEA or Sea-cucumbers: *Cucumaria punctata*, Ludw.; *Holothuria captiva*, Ludw.; *H. surinamensis*, Ludw.; *Stichopus mollis*, Semp.; *S. diaboli*, Heil.; *Synapta acanthia*, nov. sp., p. 134, plate 4, figs. 1-13; *S. inhaerens*, O. F. Müll.; *S. roseola*, Verr.; *S. vivipara*, Oerst.; *Chiridota rotifera*, Pourt.

RANKIN, W. M. The Crustacea of the Bermuda Islands. With notes on the collections made by the New York University expeditions of 1897 and 1898. Vol. 12 (no. 12, May 4, 1900), p. 521-548. 1 plate. Yc (510)

NOTE.—Also issued separately. (Compiler's collection.) "Professor Heilprin [in his *Bermuda Islands*, p. 146-152] enumerated 27 species, all but four of which have been collected by the N. Y. University expedition, but which now puts on record in the following list 43 species, 16 more than Heilprin collected."—p. 521. The following species are given:—DECAPODA: *Ocyrode arenaria*, Catesby; *Gecarcinus lateralis*, Freminville; **Cardisoma guanhumi*, Latreille; *Sesarma cinerea*, Say; **Cyclograpsus integer*, Milne Edwards; *Pachygrapsus transversus*, Gibbs; **P. gracilis*, Saussure; *Natilograpsus minutus*, Linnaeus; *Grapsus grapsus*, Linnaeus; *Goniopsis cruentatus*, Latreille; *Eriphia gonagra*, Fabricius; *†Panopeus herbstii*, M.-Edwards; *P. bermudensis*, Benedict and Rathbun; **Eurytium limosum*, Say; *Actaea setigera*, Milne-Edwards; *Xantho denticulata*, White; **Lophactaea lobata*, Milne-Edwards; **Lobopilumnus agassizii*, Stimpson; *Callinectes ornatus*, Ordway; **C. sapidus*, Rathbun; *Neptunus anceps*, De Saussure; **N. sayi*, Gibbs; *†N. (Achelous) spinimanus*, Latreille; *N. (A.) depressifrons*, Stimpson; **Portunus (Achelous) sebæ*, M.-Edwards; **Podochela riisei*, Stimpson; *Macrocoeloma trispinosa*, Latreille; *Microphys bicornutus*, Latreille; *Mithrax hirsutipes*, Kingsley; **M. hispidus*, Herbst; **M. (Nemausa) rostrata*, A. M.-Edwards; *Calappa flammea*, Herbst; **C. gallus*, Herbst; *Remipes cubensis*, Saussure; *Petrolisthes armatus*, Gibbs; **Canobita diogenes*, Latreille; *Calcinus tibicen*, Herbst, p. 533-535, plate 17, fig. 1; *Clibanarius tricolor*, Gibbs; *Scyllarus aquinoctialis*, Lund; *Pannulus argus*, Latreille; **Stenopus hispidus*, Latreille; *†Nika bermudensis*, n. sp., p. 536-538, plate 17, fig. 2; *Palaeonella tenuipes*, Dana; *†Leander nator*, Milne-Edwards; *L. affinis*, Milne-Edwards; *Alpheus edwardsii*, Audouin, p. 539, plate 17, fig. 3; *†A. hippothoe* de Man, var. *bahamensis*, Rankin; *Alpheus bermudensis*, Spence Bate, p. 540, plate 17, fig. 4; *A. minor*, Say; *A. candei*, Guérin; *†A. lancirostris*, n. sp., p. 541-543, plate 17, fig. 5; *A. websteri*, Kingsley; *Sicyonia carinata*, Olivier (?), p. 543-544, plate 17, fig. 6; **Penaeus constrictus*, Stimpson; **P. velutinus*, Dana; **Pandalus tennicornis*; *Paranebalia longipes*, Willemoes-Suhm; *Pseudosquilla ciliata*, Miers; *Gonodactylus arstedii*, Hansen; *†Lepas anatifera*, Linnaeus; *†L. pectinata*, Spengler.

*Species prefixed by a * are not in the collections of the N. Y. University Expeditions. They are placed in their appropriate

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place in order to make the list consecutive."¹ The 8 species marked † are new to the crustacean fauna of Bermuda.

BRISTOL, Charles Lawrence. [Summary of] A Report on the [Third] New York University expedition to the Bermuda Islands [May 27 to August 1, 1899]. Vol. 12 (parts II. and III., 1899-1900), p. 682-683.

Yc (511)

NOTE.— See also p. 86 of this same volume.

New York academy of sciences. Transactions. New York. 8°.

STEVENSON, John James. Notes on the Geology of the Bermudas. Vol. 16 (1898), p. 96-124. -2 plates and 1 map.

YH (512)

NOTE.— The latest monograph on the subject in which the opinions of previous writers are reviewed. Also issued separately with cover title. (Compiler's collection.) After a brief description of the islands the author discusses the following features: the rocks; the red clay; the dune sands; the "sandstone"; the intermediate deposit; the limestone— of the surface conditions: the land; the submerged area; the reef and lagoon; Harrington Sound; Castle Harbor; and the bounding reef. After giving the conclusions reached by Professors Rice, Heilprin, and Agassiz in their articles upon the subject, the author gives the results of his own studies on pp. 117-124.

New York aquarium. Official guide and catalogue. New York, [1891]. 8°. 48 pp. and cover title. Numerous illustrations.

(513)

NOTE.— Among the fishes, etc., attributed to Bermuda are the following:— 31. Common spotted moray. *Lycodontis moringa*, Cuvier; 68. Squirrel fish. *Holocentrus ascensionis*, Osbeck; 70. Amber-fish. *Seriola lalandi*, Cuvier and Valenciennes; 72. Hard-tail; Yellow mackerel. *Caryx crysos*, Mitchill; 91. Coney; Butter fish. *Bodianus foveatus*, Linnæus; 92. Grouper; Hamlet. *Epinephelus striatus*, Bloch; 93. Spotted hind. *E. adscensionis*, Osbeck; 94. Rockfish. *Mycteroperca bonaci* [?], Poey; 95. Princess Rockfish. *M. bonaci xanthosticta* [?], Jordan and Swain; 97. Gray snapper. *Neomantis griscus*, Linnæus; 98. Red snapper. *N. hastingsi*, Bean; 99. Spot snapper. *Mesoprius unnotatus*, Cuvier and Valenciennes; 101. Margate-fish. *Hæmulon album*, Cuvier and Valenciennes; 102. Yellow grunt. *H. sciurus*, Shaw; 103. Striped grunt. *H. elegans*, Cuvier and Valenciennes; 104. Common grunt. *H. plumieri*, Lacépède (*illus.*); 107. Silver bream. *Diplodus argenteus*, Cuvier and Valenciennes; 108. Bermuda chub. *Kyphosus sectatrix*, Linnæus; 116. Sergeant major; Cowpilot. *Abudefduf saxatilis*, Linnæus; 119. Hogfish. *Lachnolaimus maximus*, Walbaum; 120. Lady-fish. *Harpe rufa*, Linnæus; 121. Green Parrot-fish. *Sparisoma viride*, Bonnaterre; 122. Blue Parrot-fish. *Scarus caruleus*, Bloch; 124. Four eyed; Bride fish. *Chætodon capristatus*, Linnæus; 125. Angel fish. *Angelichthys ciliaris*, Linnæus; 126. Surgeon-fish. *Tenthis hepatus*, Linnæus; 127. Trigger-fish; Turbot. *Balistes carolinensis*, Gmelin; 128. File-fish. *Monacanthus hispidus*, Linnæus; 130. Trunk fish; Triangular fish. *Lactophrys trigonus*, Linnæus; 131. Cowfish. *L. tricornis*, Linnæus; 193. Spiny lobster. *Palinurus vulgaris*; 201. Devil-fish. *Octopus vulgaris*; 227. Bermuda anemone. *Actinia mesembryanthemum*; 31a. Green moray. *Lycodontis funebris*, Ranzani. Many of the above species, distinguished by their brilliant coloration, may be seen at any time by visiting the Aquarium.

New York Commercial advertiser.

See Commercial advertiser (in Addenda).

New York Evening post.

See Evening post.

[Aug. 30, 1902.]

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New York Gazette. Bradford's. New York. folio.
[SHIPWRECK of Captain Crow's sloop off Bermuda.]
"Numb." 418 (October 22-29, 1733), p. 2, col. 1.

YL (514)

NOTE.—Account of a remarkable shipwreck and rescue after three weeks of intense suffering.

New York genealogical and biographical record. New York. 8°.

BROWN, Joseph Jauncey Outerbridge. The Bermuda Islands and their connection with New York. Vol. 25 (no. 4, October, 1894), p. 182-191.

AS (515)

NOTE.—Among the topics treated by the author are the following:—Description of Bermuda.—Its shipping interests.—Emancipation of slaves, August 1, 1833.—Superiority of the Bermuda negroes.—The Bermuda Company.—Independent church movement of White, Copeland, and Goulding.—Rev. John Fowle.—Warwick Presbyterian church, 1719.—Trade between Bermuda and New York; 1700-1723.—The Richard family.—Ancestry of President Patton.—Rev. George Whitefield's visit to Bermuda.—Bermudian sea captains.—The Jauncey and Vardill families.—Presbyterian ministers in Bermuda.—Rev. Enoch Matson; with extracts from his autobiography.—Causes of the decay of Bermudian shipping interests. An obituary notice of the writer may be found on p. 148 of the same volume.

New York Herald. New York. folio.

EASTER lilies and their history. How the beautiful flower left China to find a home in Bermuda after hundreds of years. March 27, 1898, sixth section, p. 6. 2 illustrations.

(516)

BERMUDAS owe him a monument. First man to grow lilies in the lovely islands was a flower-loving tailor. March 31, 1901, sixth section, p. 3. 7 illustrations.

(517)

BANGS, John Kendrick. Prince Henry's diary. Edited by John Kendrick Bangs. From a manuscript found on the Hohenzollern the night before sailing for the Bermudas. March 30, 1902, 5th section, p. 2, col. 1-6. 4 illustrations.

(518)

New York, Lyceum of Natural History of. Annals. New York. 8°.

BLAND, Thomas. On the Geographical Distribution of the genera and species of Land Shells of the West India Islands; with a catalogue of the species of each island. Vol. 7 (1867), p. 335-362. 2 folded tables.

Yc (519)

NOTE.—A list of 15 species of shells from Bermuda is given on p. 351. This is the first list of Bermudian shells by an experienced conchologist, and is based upon the "collections made by the late Prof. C. B. Adams, also by Mr. R. Swift, Mr. Temple Prime, myself, and others" (p. 360). The following species are given: *Helix bermudensis*, Pfr.; *H. circumfirmata*, Redf.; *H. microdonta*, Dh.; *H. ochroleuca*, Fér. (?); *H. vortex*, Pfr.; *Bulimus nitidulus*, Pfr.; *B. ventrosus*, Fér.; *Achatina acicula*, Müll.; *Pupa jamaicensis*, C. B. Ad.; *P. pellicida*, Pfr.; *Succinea bermudensis*, Pfr.; *S. fulgens*, Lea; *S. margarita*, Pfr.; *Truncatella subcylindrica*, Gray; *Helicina convexa*, Pfr. See also pages 336, 337 note, 344, and table II. At p. 140-141 of this same vol-

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ume, in an article by Mr. Bland, entitled "Remarks on certain species of North American Helicidae," is a note upon the *Helix microdonta*, which gives a description, of a specimen taken at Bermuda, from an original MS. of Say, never before published. Say gave it the name of *H. cheilodon*.

POEY, Felipe. Poissons de l'île de Cuba. Espèces nouvelles décrites. Vol. 11 (February, 1875), p. 58-70. Yc (520)

NOTE.—The author says the *Corvina subequalis* resembles in many respects the *Diapterus Lefroyi* of the Bermudas.

BLAND, Thomas. Notes on certain Terrestrial Mollusks, with descriptions of new species. Vol. 11 (February, 1875), p. 72-87. Yc (521)

NOTE.—Under the species *Hyalina bermudensis*, Pfr., the author describes (p. 77-78) a remarkable sub-fossil form found in stalagmitic conglomerate, in caverns at Tucker's Town, Bermuda. "The living *H. bermudensis*, as described by Pfeiffer (Zool. Proc., 1845), has seven whorls. . . . The extinct form differs from it in having nine whorls. . . . I propose the name of *Hyalina Nelsoni* for the sub-fossil species, in honor of Lieut. Nelson. The extinct form is slightly over one-third larger than the living species."

New York Mail and Express.

See Mail and Express.

New York Medical Journal. New York. 8°.

MATTHEWS, H. E. The climate of Bermuda. Vol. 55. [no. 1], January 2, 1892, p. 12-14. YN (522)

NOTE.—Bermuda from a physician's point of view, and dealing with its temperature, humidity and diseases.

New York microscopical society. Journal. New York. 8°.

WOODWARD, Anthony. Foraminifera from Bermuda. Vol. 1 (no. 6, June, 1885), p. 147-151. YH (523)

NOTE.—"In two gatherings of foraminifera, one made by Mr. W. G. DeWitt in 1884, the other by Mr. J. F. Kemp in 1885, at six different localities in the Bermuda Islands, I have found forms representing eighty-nine species, belonging to thirty-seven genera."

New York Sun.

See Sun, The.

New York Times. New York. folio.

DRYSDALE, William. Letters from Bermuda [giving an account of the visit of the Princess Louise; January 29 to April 10, 1883]. Vol. 32 (1883), January 22 to April 29, 1883. YM (524)

NOTE.—A glimpse of Bermuda after meeting a snow-storm in the Gulf-stream—Seventy hours from the depth of winter to the middle of summer—The first look at the Islands; January 22, p. 2, col. 1, 2.

The capital of Bermuda—Hamilton, "The whitest city in the world"—A town where every roof is whitewashed and every street is as clean as a floor; January 28, p. 10, col. 5, 6.

A nest for the Princess—Bermudians making elaborate preparations—Inglewood, the mansion in which Princess Louise is to spend the remainder of the winter; February 6, p. 2, col. 3, 4.

Bermuda and its people—Three hundred and sixty-five islands, with fourteen thousand people on them—How the people live and what they do; February 11, p. 9, col. 1, 2.

Some Bermuda houses—How they are built and what they cost—Stone sawed out of the hills and left in the sun to

Bermuda in Periodical Literature.

New York Times. (*Continued.*)

- "season"—The water tanks—Rufus Hatch's land; February 25, p. 3, col. 7; p. 4, col. 1.
- Gardening in Bermuda—Fruits and vegetables growing the year round—Big lemons and sour oranges—Bananas and loquots—The great onion crops—What keeps the farmers poor; March 4, p. 3, col. 5, 6.
- The Bermuda signals—How news is spread over the islands—A Pre-adamite post office and a military telegraph—The signal poles and their uses—A lively Sunday morning in mid-ocean; March 11, p. 3, col. 3, 4.
- Sunday at Spanish Point—Exploring a deserted house in Bermuda—The Devil's Hole and Walsingham caves—Tom Moore—Wayside shops and their queer customers; March 25, p. 3, col. 3, 4.
- Bermuda's early capital—The quaint old town of St. George's—Under a hot mid-winter sun—The long causeway—A hotel up-stairs—Sociable merchants; April 1, p. 1, col. 3, 4.
- Col. Sellers of Bermuda—The giant speculator of the toy continent—The projector of an ocean cable, a steamship, a hotel, and a lively newspaper—Pressed for time; April 8, p. 3, col. 3, 4.
- Chilly days in Bermuda—Crowds of visitors and tons of onions—Some popular fallacies about the Gulf-stream—How steamship captains tickle their passengers—Scorching the Princess; April 15, p. 4, col. 1, 2.
- New Yorkers in Bermuda—Americans who escape the northern winter—Portraits of distinguished visitors framed and catalogued—Invalids and pleasure seekers and how they amuse themselves; April 22, p. 4, col. 4, 5.
- A great graveyard war that agitated the people of Bermuda—A poor show for Methodists and Presbyterians—Departure of the Princess Louise—Last look at the ever-green isle; April 29, p. 4, col. 3, 4.
- \$100,000 fire on Ireland Island [Bermuda], April 25, 1894. May 9, 1894, p. 5, col. 3. (525)
- FISH from Bermuda. July 11, 1898, p. 10, col. 5. (526)
- NOTE.—Fish for the New York Aquarium, collected by Prof. C. L. Bristol.
- [CAPTAIN Fraser destroys a water-logged and dismantled hulk on his trip to Bermuda.] December 14, 1898, p. 6, col. 4. (527)
- BERMUDIANS give a ball. April 7, 1899, p. 2, col. 6. (528)
- NOTE.—Given in Lyric Hall, New York, by the Bermuda Benevolent Association to celebrate the first anniversary of its organization.
- BERMUDA'S Reciprocity Commission. June 18, 1899, p. 9, col. 7. (529)
- BERMUDA delegates arrive. They come to attend the Reciprocity Conference at Washington. June 21, 1899, p. 1, col. 6. (530)
- RECIPROCITY treaty with Bermuda. June 28, 1899, p. 4, col. 4. (531)
- AQUARIUM'S new attractions. Rare and interesting fish brought from Bermuda waters by Prof. Charles L. Bristol. July 5, 1899, p. 12, col. 6. (532)
- RARE fish from Bermuda. July 19, 1899, p. 12, col. 6. (533)
- TROPICAL fish at the Aquarium. August 2, 1899, p. 5, col. 4. (534)

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- SIGHTED a huge Waterspout [at Bermuda]. September 12, 1899, p. 6, col. 6. (535)
- CYCLONE strikes Bermuda. Loss may reach \$1,000,000. September 14, 1899, p. 1, col. 2. (536)
- SIR JOSIAH REES dead. Chief Justice of Bermuda expired at Hamilton yesterday. November 5, 1899, p. 7, col. 2. (537)
- RECIPROCITY treaties, The. December 10, 1889, p. 8, col. 2, 3. (538)
- NOTE.— Gives list of articles to be admitted into the United States at a reduction from the present rates of duty.
- [NOTICE of Prof. A. E. Verrill's lecture on the natural history of the Bermudas.] January 4, 1900, p. 4, col. 7. (539)
- BATTLESHIP's unruly men. [Outbreak of sailors on the U. S. Battleship Texas, at Bermuda, May 15.] May 24, 1900, p. 14, col. 2. (540)
- SEVERE STORM in Bermuda. Houses unslated and trees uprooted — The Dockyard damaged. September 23, 1900, p. 7, col. 4. (541)
- MUSQUITO FLEET leaves Bermuda. January 14, 1901, p. 7, col. 5. (542)
- TO SEARCH for rare fishes. Expedition from New York University starts for Bermuda to-morrow. May 31, 1901, p. 16, col. 2. (543)
- AFTER fish for the Aquarium. Prof. Bristol and party sail for Bermuda to collect rare specimens. June 2, 1901, p. 20, col. 3. (544)
- BOERS will reach Bermuda July 3. June 5, 1901, p. 1, col. 3. (545)
- BOER prisoners at Bermuda. June 29, 1901, p. 3, col. 4. (546)
- BOERS at Bermuda. Adventures of an escaped Boer prisoner. July 10, 1901, p. 2, col. 1, 2. (547)
- BOER refugee released. Boer prisoners escape. July 11, 1901, p. 12, col. 3. (548)
- BOERS trying to escape. July 24, 1901, p. 3, col. 4. (549)
- BOERS in Bermuda. July 30, 1901, p. 3, col. 5. (550)
- MORE BOER prisoners at Bermuda. August 2, 1901, p. 3, col. 1. (551)
- MORE BOERS in Bermuda. August 4, 1901, p. 3, col. 6. (552)
- No worn clothing for Boer prisoners. December 3, 1901, p. 9, col. 5. (553)
- MR. and Mrs. F. J. Gould in the Bermudas incognito. December 8, 1901, p. 1, col. 2. (554)

Bermuda in Periodical Literature.

New York Times. (Continued.)

- BOERS in Bermuda, The. December 8, 1901, p. 15,
col. 2. (555)
NOTE.—Letters from John J. O'Rourke and Musson Wainwright.
- BOERS in camp, The. December 15, 1901, p. 7, col
6, 7. (556)
NOTE.—Letter from Robert S. Beaton.
- TO relieve Boer prisoners. December 15, 1901, p. 8.
col. 5. (557)
NOTE.—Letter from John V. L. Pruyn.
- CLOTHING for captive Boers. January 12, 1902, p. 6,
col. 5. (558)
NOTE.—Letter from Percy Saunderson.
- CONDITION of Boer prisoners. January 18, 1902, p.
6, col. 3. (559)
- PRO-BOER reply, A. January 19, 1902, p. 16, col. 1.
(560)
NOTE.—Letter from John A. Hassell.
- HOW Boers got clothing. January 20, 1902, p. 6,
col. 5. (561)
NOTE.—Letter signed "Civis."
- BOER war debate. Winston Churchill criticises gov-
ernment and favors compromise. January 22, 1902,
p. 9, col. 1. (562)
NOTE.—Contains letter from Boer prisoners at Bermuda rela-
tive to clothing received.
- BOERS in Bermuda, The. January 26, 1902, p. 15,
col. 5, 6. (563)
NOTE.—Letter from J. B. Mattison, M.D.
- GIFTS to Boer prisoners exempt. January 29, 1902,
p. 9, col. 3. (564)
- GOV. BARKER leaves Bermuda. His departure much
regretted.—New Governor, General Geary, passes
through New York. January 31, 1902, p. 9, col. 4.
(565)
- SIR G. Digby Barker here. Ex-Governor of Bermuda to
sail for England on Wednesday. February 3, 1902, p.
2, col. 3. (566)
- GAUDILY colored fishes. The Angel and Queen Trig-
gers [from Bermuda] excite much interest at the
Aquarium. (566a)
- CLOTHES for Boers refused. English return those sent
to the prisoners at Bermuda. February 14, 1902,
p. 11, col. 2. (567)
- CLOTHES for Boers returned. British commandant in
the Bermudas refused to receive them.—A contri-
bution from the Philippines. February 15, 1902, p. 9,
col. 3. (568)
- HOUENZOLLERN at Bermuda, The. March 14, 1902, p.
9, col. 3. (569)
- GIRL STOWAWAY'S confession. Little Bertha Walman
now says her mother is in Bermuda. March 24, 1902,
p. 12, col. 4, 5. (705)

Bermuda in Periodical Literature.

EASTER flower display. Decline in popularity of the Bermuda lily. New lily imported from Japan — Some popular blossoms — New York as a flower mart. March 30, 1902, p. 24, col. 3. (570a)

PRETORIA'S passengers rescued from fire. Taken off burning Quebec liner by the Noordland. Brought back to New York by the Red Star line steamship — Fireboats fighting flames on the Pretoria in the Bay. March 31, 1902, p. 1, col. 7. (571)

PRETORIA'S fire is out. Vessel's hold completely filled with water — she was then pumped out and is ready for dry dock. April 1, 1902, p. 16, col. 2. (572)

GOVERNMENT papers were lost, he thought. Man styling himself an English Officer, [arrived last night from Bermuda], believed they were stolen. Returned by honest cabman. April 7, 1902, p. 6, col. 2. (573)

AID for Boer prisoners. Quantity of their shelter, food, and clothes in Bermuda. April 11, 1902, p. 9, col. 3, 4. (574)

WILL of Mr. Cecil Rhodes. The testator's own wording of his unique ideas. April 13, 1902, p. 10, col. 1, 3. (575)

NOTE.—By Mr. Rhodes' will Bermuda is entitled to three of the colonial scholarships, to be tenable by one student and no more in each year.

BOER officers paroled. June 7, 1902, p. 8, col. 5, 6. (576)

CAPTIVE officers rejoice. Have been enjoying themselves in Hamilton, Bermuda. June 8, 1902, p. 7, col. 4. (577)

WATER for Boer prisoners [at the Bermudas]. Purchase of a condensing ship by the British government. June 9, 1902, p. 3, col. 2. (578)

GUESSES at the Aquarium. Some remarks by the multitude anent the *Channomuræna Vitata*. Over 11,000 sightseers have a look at the queer specimen. July 2, 1892, p. 16, col. 4. (579)

NEW things in New York's Aquarium. A remarkable and beautiful collection of the Sea Anemone which arrived last week — Living marine flowers with all the colors of the rainbow — The mysterious Green Moray or "Sea Serpent" — Teredos or living augers from New York Harbor. July 6, 1892, p. 22, col. 1-3. (580)

NOTE.—Gives a list of the fish received a few days since, from Professor Bristol, now in Bermuda, including the rare specimen of the spotted moray, *Channomuræna vittata*, Richardson. See his Voyage of Erebus and Terror (1844). Fishes, p. 96, also UNITED STATES NATIONAL MUSEUM. *Bulletin* 47, p. 404.

PROF. BRISTOL and the Aquarium. [A letter from J. B. Mattison, of Brooklyn, N. Y.] July 7, 1902, p. 6, col. 5, 6. (581)

Bermuda in Periodical Literature.

New York Times. (*Continued.*)

PRISONERS leaving Bermuda. July 12, 1902, p. 7, col. 3.
(581a)

CLOTHING for Boer prisoners. July 13, 1902, p. 8, col.
1, 2. (581b)

NOTE.—Letter, signed "Civis," in reply to one by "South
African," in the *New York Times* of July 9.

BOER prisoners clothing. July 15, 1902, p. 8, col. 5.
(581c)

NOTE.—Letter from "Fritz Duquesne, Lieutenant, late pris-
oner of war, Bermuda, B. W. I."

BOER prisoners homeward bound. Varied stories of
British treatment in Bermuda. Twelve-year-old rela-
tive of General De Wet tells of his own exploits—
Commandant Ferreira talks. July 15, 1902, p. 5,
col. 5. (581d)

ENTERTAINING the Boers. Sympathizers show the
sights of the city to ex-prisoners. July 16, 1902, p. 9,
col. 3. (581e)

BOERS at Coney Island. Lieuts. Sventer and Nielson
lose their way. July 17, 1902, p. 3, col. 4. (581f)

MORE fish for the Aquarium. Eighteen species repre-
sented in a total consignment of 87 received from Prof.
Bristol in Bermuda. July 19, 1902, p. 5, col. 2.
(581g)

BOERS at luncheon. Merchants' Association entertains
distinguished South Africans and shows them through
mercantile houses. July 19, 1902, p. 8, col. 7. (581h)

BOER ex-prisoners sail. One contingent off and the re-
mainder to follow—Grateful for their reception here.
July 20, 1902, p. 5, col. 6. (581i)

NEW giant Parrot Fish at the Aquarium. Twenty-eight
inches long with green coloring, yellow jaws, and blue
teeth—New minute Angel Fish. July 20, 1902, p. 23,
col. 1, 2. (581j)

BOERS sail for home. Some may return later to become
American farmers. July 24, 1902, p. 1, col. 3.
(581k)

To teach the Boers farming. British Government will
send some of them to Canada, Australia, and New
Zealand. July 25, 1902, p. 3, col. 4. (581l)

PRESIDENT shoots against Boer officers. Wins contest
with Commandants Lynman and Reitz. August 3,
1902, p. 1, col. 1. (581m)

New York Times. Illustrated magazine supplement.
New York. folio.

SOME snap shots of the visit to Bermuda of Admiral
Sampson and the United States Cruiser New York
and the Battleship Indiana. April 16, 1899, p. 8, 9.
16 illustrations. (582)

A PLAINE
DESCRIPTION
OF THE BARMVDAS,
NOW CALLED SOMMER
I L A N D S.

With the manner of their discouerie
ANNO 1609 by the shipwrack and admirable deliuerance
of Sir *Thomas Gates*, and Sir *George Sommers*, wherein
are truly set forth the commodities and profits of
that Rich, Pleasant, and Healthfull
C O V N T R I E.

W I T H
An Addition, or more ample relation of
diuers other remarkable matters concerning those
Ilands since then experienced, lately sent
from thence by one of the Colonie now
there resident.

ECCLESIASTES 3: 11.
God hath made euery thing beautifull in his time.

L O N D O N,
Printed by *W. Stansby*, for *W. Welby*.
1 6 1 3.

TITLE-PAGE OF A PLAINE DESCRIPTION OF THE BARMVDAS;
LONDON, 1613. See No. 272.

Bermuda in Periodical Literature.

- BOER prisoners at Bermuda. October 20, 1901, p. 20, col. 1. (583)
- BOER prisoners would end the war. February 16, 1902, p. 16, col. 1. (584)
- WOMEN here and there. [The odors of the Easter lilies and onions at Bermuda compared.] March 30, 1902, p. 6, col. 1. (585)
- FISH of Bermuda, The. From *St. Nicholas* [for June, 1902.] May 25, 1902, p. 15, col. 4. (586)
- New York Times.** Saturday review of books and art. New York. folio.
- LILY fields of Bermuda, The. From *Everybody's Magazine*. December 7, 1901, p. 962, col. 1. (587)
- BOER concentration camps, The. March 8, 1902, p. 154, col. 3. (588)
- NOTE.—Letter of Walter J. Ballard, quoting one from "J. B. Heyle."
- New York Tribune.** New York. folio.
- TORNADO in the Bermudas. December 27, 1875, p. 1, col. 2. (589)
- BERMUDAS as a winter resort. Correspondence. November 4, 1891, p. 10, col. 5. (590)
- BIOLOGY at Bermuda. Scientific and commercial importance of the proposed station and laboratory. From the *Hartford Times*. May 12, 1895, p. 9, col. 5, 6. (591)
- BERMUDA governor appointed. April 3, 1896, p. 8, col. 2. (592)
- BERMUDA notes. April 13, 1896, p. 4, col. 4. (593)
- BERMUDA "hog money." How the island happened to get her peculiar currency. From the *Philadelphia Inquirer*. January 13, 1898, p. 10, col. 5, 6. (594)
- RECIPROCITY treaties, The. December 10, 1899, p. 4, col. 3. (595)
- ENTERTAINED at Bermuda. Officers of the United States warships attend a dance. January 6, 1901, part 1, p. 4, col. 2. (596)
- NAVAL courtesies at Bermuda. January 13, 1901, p. 3, col. 4. (597)
- HOME of the Easter lily. Bermuda lilies for Easter. April 7, 1901, part 2, p. 5, col. 6, and part 1, p. 6, col. 6. (598)
- STORIES of "Prince Georgie." From *Youth's Companion*. July 14, 1901, p. 3, col. 6. (599)
- OFF for Bermuda. January 12, 1902, p. 8, col. 6. (600)
- NOTE.—Sailing list of passengers.
- PLENTY of clothing for prisoners. Sir Percy Sanderson issues statement regarding the condition at Bermuda. January 12, 1902, p. 9, col. 1. (601)

Bermuda in Periodical Literature.

New York Tribune. (*Continued.*)

COLORÉD man in easy-going Bermuda affords an interesting study for social economists. Bermudian negroes. No race problem in the Island. Color distinctions lacking.—A disturbing element from other parts of West Indies. April 6, 1902, part 2, p. 7, col. 1-6. 4 illustrations. (602)

ENTERTAINING Boer officers [at Government House, Bermuda]. June 8, 1902, p. 9, col. 2. (603)

FLIGHT from Bermuda pen. Boer stowaway arrives here after escaping from British detention camp. July 1, 1902, p. 4, col. 4. (604)

POCKET sea serpent, A. Professor Bristol ships it to the Aquarium from Bermuda. July 1, 1902, p. 16, col. 2. (605)

BOER officers leave Bermuda. July 13, 1902, p. 2, col. 3. (605a)

New York Tribune. Illustrated supplement. New York. folio.

PEACE in Africa will bring liberty to four thousand five hundred Boer prisoners in Bermuda. 6 illustrations. June 8, 1902, p. 3. (606)

BOER prisoners, The. Experiences of those confined at Bermuda — Did not live in idleness. June 8, 1902, p. 13, col. 2. (607)

Niles weekly register. Baltimore. 8°.

[CAPTURE of the U. S. frigate "President" by the British squadron.] Vol. 7, p. 364-366; vol. 8, p. 8-10, 103-104, 116-117, 133-134, 147-148, 174-176, 199-200, 262-263. Y^M (608)

NOTE.—Official reports and documents, also newspaper accounts from the American point of view, as follows:—Loss of the "President" frigate announced at New London, with substance of Decatur's letter to his wife, vol. 7, p. 364-366.—Copy of a letter from Commodore Decatur to the Secretary of the Navy dated January, 1815, giving an account of the loss of the "President," and extracts from newspapers, vol. 8, p. [8] 424-[10] 426.—Further particulars of the capture of the late United States frigate "President"; newspaper extracts, p. 28, 44-45.—Sold at Bermuda, p. 103-104. Apprisement and distribution, p. 116-117.—British statements of her force, p. 133-134, 174-176.—Letter of Commodore Alexander Murray, President of a Court of Enquiry held to investigate the causes of the capture of the "President," p. 147-148.—Remarks on the British account of the capture of the "President" frigate, from the *Norfolk Ledger*, p. 199-200.—Infamous libel, p. 262-263.

[BERMUDA Royal Gazette's account of the capture of the U. S. frigate "President."] Vol. 8, p. 10, 44, 116, 271-272, 360. Y^M (609)

NOTE.—The editor of the "Royal Gazette," Mr. Edmund Ward, having been ordered to retract a statement relative to the "President," and refusing to do so, was deprived of his commission as "King's Printer." The events leading up to this are given as follows:—Statement of capture of the "President," from the *Bermuda Royal Gazette Extra*, Thursday, January 26, 1815, p. 44.—From the *Royal Gazette*.

Bermuda in Periodical Literature.

An apology, dated February 2, 1815, issued as a handbill and contradicting incorrect statement of the capture of the "President," published in its issue of the 1st, p. [10] 426. — Assault upon the Editor of the *Royal Gazette* and his account thereof in *N. Y. Commercial Advertiser*, for scurrilous account of the capture of the "President" in its issue of March 15, 1815, p. 116. — The Governor withdraws the title of "King's Printer" from the Editor, Mr. Ward, February 3, 1815, p. 271-272. — Remarks on the dismissal of Mr. Ward, from the *Halifax Arcadian Recorder* of July 10, 1815, p. 360. William JAMES' *Full and correct account of the chief naval occurrences of the late war* [etc.], Lond., 1817, p. 449-451, also has an account of this affair.

Notes and queries. London. sm. 4^o.

SELRAHE. Bermuda. Third series, vol. 4 (no. 98, November 16, 1863), p. 397. Yc (610)

NOTE.—Various quotations, given in answer to a question asking "What book gives the best and fullest account of Bermuda, especially as regards its climate, and present sanitary condition?"

T., ST. Bermuda. Third series, vol. 5 (no. 110, February 6, 1864), p. 122. Yc (611)

NOTE.—Further quotations in answer to the above question.

T., J. H. L. Sir Nathaniel Riche. Fifth series, vol. 9 (no. 226, April 27, 1878), p. 335. Yc (612)

NOTE.—Answer to question regarding the identity of the Sir Nathaniel Riche mentioned in Sloan MS., 750 in British Museum. Riche "died in 1636, bequeathing four shares of land in Bermuda for school purposes, and six shares to the Earl of Manchester in trust for one of the children of his sister Jane." See Lefroy's reprint of this MS.; HAKLUYT SOCIETY Publication, no. 65, p. 243; also LEFROY'S *Memorials*, vol. 2, p. 122.

BIBLIOTHECARY, *pseud.* A Bermuda liturgy. Fifth series, vol. 12 (no. 288, July 5, 1879), p. 7, 8. Yc (613)

NOTE.—"Capt. Nathaniel Butler, Governor of the Bermudas in 1619, had great difficulty in inducing his two ministers to subscribe to the Book of Common Prayer. Capt. Smith, in his *Generall Historie of Virginia*, &c. [1624, p. 192], tells us that the Governor, in 1620, 'Finding it high time to attempt some conformitie, bethought himself of the Liturgie of Gurnsey and Jarre, wherein all these particulars they so much stumbled at were omitted. No sooner was this propounded, but it was gladly embraced by them both, whereupon the Governor translated it *verbatim* out of French into English, and caused the eldest Minister upon Easter Day to begin the use thereof at St. George's towne.' Do any copies of this translation remain?" See LEFROY'S *Memorials*, vol. 1, p. 151, 678-686.

Nova Scotian institute of natural science. Proceedings and transactions. Halifax. 8^o.

JONES, John Matthew. Contributions to the Natural History of the Bermudas. Part I. Mollusca. [Read January 4, 1864.] Vol. 1 (pt. 2, 1864), p. 14-26. PA (614)

NOTE.—Also issued separately, 13 pages and cover title-page. The author gives 106 species, of which 13 are undetermined. They are as follows:—*Spirula Peronii*; *Strombus gigas*; *Hemifusus morio*, Linn.; *Pisania bilivatum*, Reeve; one species undetermined; *Triton lanceolatus*, Kiener; *T. pilearis*, Lam.; *T. variegatus*, Lam.; *T. chlorostoma*, Lam.; *Fasciolaria distans*, Lam.; *Nassa ambigua*, Mont.; *Purpura deltoidea*, Lam.—Syn. *P. triseriatis*, Smith's

Bermuda in Periodical Literature.

Nova Scotian institute of natural science. (Continued.)

Cat.; *P. undata*, Lam.; *Dolium perdx*, Linn.; *Columbella mercatoria*, Linn.; *C. cribraria*, Sow.; *Oliva reticulata*, Lam.; *O. bullula*, Sow.; *Conus mus*, Linn.; *Marginella avena*, Val.; *Cypræa cinerea*, Linn.; *C. quadripunctata*, Gray; *C. cervus*, Linn.; *Ovulum gibbosum*, Linn.; *Natica canrena*, Linn.; *N. Marochiensis*, Lam.; *Cerithium nigrescens*; one species undetermined; *C. erienne*, Val.; *C. literatum*, Barn.; *Pyrazus albivittatus*, Ad.; *Vermetus Knorrii*, Say; *Scalaria coronata*, Lam.; *Littorina muricata*, Ad.; *L. dilatata*, Ad.; *L. zigzag*, Lam.; *L. scabra*, Linn.; *L. mauritiana*; *Modulus lenticularis*, Chem.; *Phorus agglutinans*, Linn.; *Litiopa atlantica*, Rang.; *Rissoina micans*, Ad.; *Truncatella succinea*, Ad.; *Nerita peloronta*, Linn.; *N. versicolor*, Lam.; *N. tessellata*, Gmel.; *Neritina viridis*, Lam.; *Turbo pica*, Linn.—*Trochus pica*, d'Orb.; *Imperator calcar*, Linn.—*Turbo inermis*, d'Orb.—*Calcar magus*, Chem.—*Trochus calcar*, Gmel.; *Ianthina communis*, Lam.; *I. globosa*, Swains; *Fissurella Barbadosis*, Lam.; *F. firmata*, Reeve; *Gadina mamonillaris*, Linn.; *Siphonaria brunnea*, Han.; *Chiton squamosus*, Linn.; *Helix Bermudensis*, Pfr.; *H. circumfirmata*, Redf.; *H. microdonta*, Desh.; one species undetermined; *Succinea Texasiana*, Pfr.; one species undetermined; *Bulinus ventrosus*, Ferr.; *Pupa chrysalis*?; one species undetermined; *Melampus Redfieldii*, Pfr.; *M. flavus*, Gmel.; *Helicina subdepressa*, Poey; *Bulla physis*, Linn.; *B. nitidula*, Lister; *B. punctulata*, Ad.; *Aplysia*, one species undetermined; *Doris*, one species undetermined; *Placunomia*, one species undetermined; *Pecten zigzag*, Linn.; *P. Gruneri*, Reeve; *Lima fragilis*, Sow.; *Spondylus ustulans*, Reeve; *S. ericinus*, Reeve; *Avicula*, one species undetermined; *Meleagrina placunoides*, Reeve; *Perna ephippium*, Linn.; *Pinna rudis*, Linn.; *Mytilus Domingensis*, Lam.; *Modiola tulipa*, Lam.; *Arca Noë*, Linn.; *A. Americana*, Gray; *A. gradata*, Brod.; *Chama macrophylla*, Linn.; *C. lingua-felis*, Reeve; *Cardium serratum*, Linn.; *C. cygnorum*, Desh.; *Lucina tigrina*, d'Orb.; *L. dominicensis*,—Fossil; *Loripes chrysostoma*, Menscke; *Venus cancellata*, Linn.; *V. crenifera*, Sow.; *Tellina levigata*, Linn.; *T. magna*, Speng.; *T. radiata*, Linn.; *T. interrupta*, Wood; *Capsa spectabilis*, Hanley; *Semele*, two species undetermined; *Solecurtus*, one species undetermined; *Pholas striata*, Linn.; *Teredo*, one species undetermined.

JONES, John Matthew. On the Geological Features of the Bermudas. [Read Nov. 6, 1865.] Vol. I (pt. 4, 1866), p. 18–26. PF (615)

HURDIS, John L. On North Atlantic Storms. [Read by John Matthew Jones, January 8, 1866.] Vol. I (pt. 4, 1867 [1866]), p. 140–146. PF (616)

NOTE.—This article contains an account of the Bermuda hurricane of September 11, 1839, as well as observations upon hurricanes and revolving gales in the North Atlantic, made by the author during a residence of fourteen years in the Bermudas. See also "Fourteen years of isolation in the Bermudas" on page 146 of the same volume.

JONES, John Matthew. Contributions to the Natural History of the Bermudas. Coralliaria. [Read November 4, 1867.] Vol. 2 (pt. 2, 1869), p. 7–16. PA (617)

NOTE.—Also issued separately. A copy in the Public Library at Hamilton has this note in MS.: "(Published June, 1869)." This article relates to corals and their allies. Specimens of each of the 9 species of corals and 4 species of gorgonias were exhibited at the time the paper was read, including a singularly formed *Mycedium fragile*. After describing the condi-

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tions favoring the growth of corals at the Bermudas and noting the fact that this is the most northerly station in the Atlantic at which the reef building polyps raise their structures, he described the following species:—*Isophyllia dipsacea*, Dana, p. 9-10; *Mæandrina cerebriformis*, Lam., p. 110-111; *Siderastræa radians*, Verrill, p. 11; *Oculina diffusa*, Lam., p. 11-12; *O. varicosa*, Les., p. 12; *O. Valenciennesii*, Edw., p. 12-13; *Mycidium fragile*, Dana, p. 13; *Porites clavaria*, Edw., p. 13-14; *Millepora alcicornis*, Edw., p. 14. Then are given the following list of Gorgonia:—*Gorgonia flabellum*, p. 15; *Plexaura crassa*, Lamour., p. 16; *P. flexuosa*, Lx., p. 16; and *Pterogorgia Americana*, Ehr., p. 16. Of the *Gorgonia flabellum*, the author says: "Small portions of this gorgon, when cleared of the external bark, are used by Bermudian cooks for skimming off impurities when boiling food, its sieve-like meshes acting as a strainer. These pieces are called 'huskers.'" Of the *Plexaura crassa* he says: "The well-known 'sea rods' which are made by the colored people, and sold for riding whips, are manufactured from the horny and flexible stems of this species, which are laced together and highly polished."

JONES, John Matthew. On the Vegetation of the Bermudas. [Read April 14, 1873.] Vol. 3 (pt. 3, 1873), p. 237-280. PA (618)

NOTE.—This paper, one of the earliest, if not the earliest, which attempts to give a full list of the Bermudian plants, contains a list of 612 species (74 of which were undetermined) belonging to 128 genera. This includes 87 species of Endogens and 19 of Filices. The first few pages are devoted to the general features of the islands, their surface, geology, and climate. In accounting for this plant life the author ascribes its origin to various causes; as seeds cast ashore by the sea, those introduced by birds, and those brought by the early settlers. Governor Lefroy, who was much interested in the subject, introduced during 1872 and 1873 some 600 species of plants from Kew. The following species are among those to which especial consideration has been given:—*Argemone mexicana*, L. "Lady Thistle"; *Sida carpinifolia*, L. "Wire-weed"; *Melia azedarach*, L. "Pride of India"; *Citrus aurantium*, L. "Sweet Orange"; *Vitis vinifera*, L. "Grape Vine"; *Medicago lupulina*, L. "Clover"; *Nerium oleander*, L. "Oleander"; *Nicotiana tabacum*, L. "Tobacco"; *Lantana odorata*, L.; *Janipha manihot*, Kth. "Cassava"; *Juniperus barbadensis*, L. "Cedar"; *Sabal Palmetto*, R. & S. "Palmetto"; *Allium cepa*, L. "Onion"; and *Maranta arundinacea*, L. "Arrow-root."

Numismatic chronicle, and journal of the Numismatic society. London. 8°.

CHRISTMAS, Henry. Copper coins of the British colonies in America. Vol. 2, n. s. (1862), p. 191-212. YA (619)

NOTE.—The Bermuda hog money, p. 210-211. In the year 1793, a beautiful pattern was engraved by Droz, for a half penny intended to circulate in these islands. The original coin is technically described as follows:—

Obv.—SOMMER ISLANDS.

A wild boar, with the Roman numerals XII. over it. M. a mullet of the five points.

Rev.—A ship under sail firing a gun.

Three denominations were issued, having the Roman numerals XII., VI., and II. [pence] respectively.

The 1793 pattern is described thus:—

Obv.—GEORGIUS III. D. G. REX.

The king's bust laureate to the right; the neck bare.

Rev.—BERMUDA.

A three-masted ship in full sail; behind the ship a mountainous shore. In the exergue, 1793. Edge plain. Weight, 193½ grains.

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Numismatic chronicle. (Continued.)

A correspondent of the *Gentleman's Magazine*, vol. 70 (March, 1800), p. 230, asks "whether the Bermuda copper piece of 1793 was struck for currency, as a trial piece, or for a token?" Only one specimen of the original coinage is known in England. It was sold from the collection of Rev. Joseph Martin for £29.

LEFROY, Sir John Henry. The hog money of the Somers Islands. Vol. 16, n. s. (1876), p. 153-157. 2 woodcuts. YA (620)

NOTE.—"March 16, 1876. General Lefroy communicated a paper on the 'Hog Money' of the Somers Islands, in which he described a sixpence of this the earliest English colonial coinage, hitherto unknown."—p. 7. There is no reference to this coinage in the records of the Bermudas. The cuts are of the XIIId. and VIId. varieties.

LEFROY, Sir John Henry. On a new piece of hog money of the value of twopence. Vol. 18, n. s. (1878), p. 166-168. 1 woodcut. YA (621)

NOTE.—This article gives an account of the finding of a IId. specimen of the "Hog Money" in 1877, with a description of the same. All these issues are extremely rare. "Only one specimen is known to English collectors [that named above], and I have not seen more than eight or nine in Bermuda."—*Memorials*, v. 1, p. 100. The woodcut represents this new variety. Woodcuts of all three varieties may be found in LEFROY's *Memorials*, v. 1, p. 101 and v. 2, p. 587, also in STARK's *Illustrated Bermuda Guide* [1890], p. 32.

Old South leaflets. Boston. 16°.

VESPUCCI, Amerigo. Account of his first voyage. Letter . . . to Pier Soderini, Gonfalonier of the Republic of Venice. No. 34. 20 pp. (622)

NOTE.—"The island of Ity is a problem which Varnhagen has solved, but not very satisfactorily, by assuming that it referred to the Bermudas, and that the expedition sailed from Cape Cañeveral. . . . However, the difficulty is cleared if we suppose that the word *greco* is, as suggested by Varnhagen, a typographical error for *siraco*, in which case we might take it for granted that Vespucci sailed from Cape Hatteras to the Bermudas [August 6, 1597]—twenty-four years earlier than the supposed first discovery of those islands."—p. 18. FISKE, in his *Discovery of America* (vol. 2, pp. 58-60), favors Varnhagen's theory of Vespucci's first voyage. See also FISKE's Preface to his *Discovery*, pp. xiii-xv.

Once a week. London. 8°.

SOJOURN (A) in the Bermudas. *Anon.* *Poole* vol. 26 (no. 235, June 29, 1872), p. 587-591. AS (623)

OSBORN or OSBORNE, Thomas. Collection of voyages and travels; compiled from the curious and valuable library of the Earl of Oxford. London. folio.

CASTELL, William. Short discovery of the coast and continent of America, from the Equinoctial northward; and of the adjacent isles. Vol. 2 (1745), p. 733-781. AS (624)

NOTE.—Castell's work, of which this is a reprint, was originally printed in London in 1644, in quarto. "Bermudas. There is another ifland called *Bermudas*, which becaufe it falleth much in the same longitude with *Porto Rico*, though many degrees distant to the north in regard of latitude, I must either insert here or leave out. It lyeth within a degree and a half south of *Virginia*, not so easy to be come unto, in regard it hath but one, and none of the best ports to land in:

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besides, it is as much, if not more than any other place, infested with most tempestuous fearful winds called hurricanes. The soil and temperature is far inferior to any part of *Virginia*, and yet it is inhabited no less than with a thousand *English*; who, no doubt, when the wisdom of the kingdom shall think convenient to send a strong navy into *America*, will be forward to remove and improve their plantation into a more convenient and richer soil."—p. 743.

Osprey (The). An illustrated monthly magazine of ornithology. Washington. 8°.

VERRILL, A. Hyatt. Notes on the Birds of the Bermudas, with Descriptions of Two New Sub-species and Several Additions to the Fauna. Vol. 5 (no. 6, June, 1901), p. 83-85. 4 illustrations (including frontispiece). (625)

NOTE.—The illustrations are reproductions from photographs of living wild birds, a branch of photography in which the author is especially proficient. "The most striking bird of the Bermudas is the Yellow-billed Tropic-bird (*Phaeton americanus*); or 'Long Tail' of the natives." The two new subspecies are the *Cardinalis cardinalis somersii*, p. 84, with illustration; and the *Sialia sialis bermudensis*, p. 84. "The following species, observed during March, April, and May, 1901, have never, to my knowledge, been recorded from Bermuda": *Phaeton aethereus*: Red-billed Tropic-bird; *Larus glaucus*: Glaucous gull; *Melanerpes carolinus*: Red-bellied Woodpecker; *Columbigallina passerina bahamensis*: Bahama Ground Dove; Blue Jay; Red-shouldered Hawk; Thrasher; Orchard Oriole (skins of these last four species were found in the Public Library at Hamilton); *Passer montanus*: European Tree Sparrow; *Carduelis carduelis*: European Goldfinch; *Spinus tristis*: American Goldfinch; *Spizella monticola*: Tree Sparrow; *Mimus polyglottos*: Mocking Bird; *Sitta carolinensis*: White-breasted Nuthatch; *Vireo*, sp.?; *Dendroica pennsylvanica*: Chestnut-sided Warbler; *D. striata*: Black-poll Warbler; *D. blackburniae*: Blackburnian Warbler; and the Wheatear, *Saxicola oenanthe*, introduced within the last three years near St. Georges, and apparently doing well.

Ottawa Naturalist, The. Published by the Ottawa Field-Naturalists' Club. Ottawa. 8°.

SMALL, H. Beaumont. In the Bermudas. Vol. 12 (no. 2, April, 1898), p. 35-37. Y^B (626)

NOTE.—This short article is in the form of a letter to the members of the O. F. N. Club. The writer mentions the advantages of Bermuda as a station for the study of the migration of birds and their abundance as a result of a law protecting them. "To the botanist," he says, "the Islands are a veritable garden of Eden. . . . Everywhere may be seen the Oleander in every shade of color, from white to crimson, while Cacti, Aloes, Bamboo, Night-blooming Cereus, the Passion-flower and Honeysuckle find a foothold in the crumbling coral rocks or on the old stone walls. . . . I have compiled a work entitled "In the Bermudas" dealing with all the fauna and flora of the islands, and containing a large amount of interesting history which will give details of use to naturalists."

SMALL, H. Beaumont. Vegetation in the Bermudas. Part I. Trees. Vol. 12 (no. 5, August, 1898), p. 101-104. Y^B (627)

NOTE.—Trees, owing to the moisture of the climate of Bermuda, attain a luxuriance unknown in more northern climes. The following trees are described:—the Juniper (*Juniperus Bermudensis*), known in the islands only as the Cedar; Fid-

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Ottawa Naturalist, The. (Continued.)

dlewood (*Citharoxylum Quadrangulare*); Poinciana (*P. Regia*); Tamarind (*Tamarindus Indicus*); Galba (*Calophyllum Calaba*); White Cedars (*Tecoma Pentaphylla*); Loquat (*Eriobotrya Japonica*); Seaside Grape (*Coccoloba Uvifera*); Alligator or Avocado Pear (*Persea Gratissima*); Pride of India (*Melia Azedarach*); Mangrove (*Rhizophora Mangle*); Mulberry (*Morus Rubra*); the Ailanthus; Banyan; Mahogany; and Calabash (the last four imported); Royal Palms (*Oreodoxa Oleracea*); Palmetto (*Sabal Umbraculifera*); Rubber Tree (*Ficus Elastica*); Bamboo (*Bambusa Arundinacea*); Tamarisk (*T. Gallica*); and False Mangrove (*Aricennia Nitida*). "With the exception of two or three species, there are no trees that may be called deciduous on the islands."

SMALL, H. Beaumont. Vegetation of the Bermudas. Part II. Flowering Shrubs. Vol. 12 (no. 6, September, 1898), p. 109-114. Y^B (628)

NOTE.—Only the most striking shrubs are here alluded to. They are Match-me-if-you-can (*Poinsettia pulcherrima*); Hibiscus (*H. mutabilis*); Oleander (*Nerium Oleander*); a shrub easily mistaken for the Oleander, but with green flowers (*Dodonaea Burmanniana*); Myrtle (*Myrtus communis*); Surinam Cherry (*Eugenia Ugni*); Laurestinus (*Viburnum Tinus*); Orange (*Citrus*); Lemon (*Citrus Limonum*); Lime (*Punica granatum*); Papaw (*Carica Papaya*); Dog-bush (*Baccharis heterophylla*); Datura (*D. Metel*); Pigeon Berry (*Duranta Plumieri*); Sage Bush (*Lantana crocea*); a kindred bush (*Lantana Odorata*); Snuff Plant (*Buddleja Americana*); Wild Acacia (*Lucana glauca*); a sea-side shrub, without a popular name (*Scaevola Plumieri*); Bay Berry (*Myrica cerifera*); Elder (*Sambucus niger*); Seaside Lavender (*Suriana maritima*); Castor Oil Plant (*Ricinus communis*); Yucca or Spanish Bayonet (*Y. aloifolia*); Aloe (*A. vulgaris*); Century Plant (*Agave americana*); Night-blooming Cereus (*Cactus grandiflorus*); and Prickly Pear (*Opuntia vulgaris*).

SMALL, H. Beaumont. Vegetation in the Bermudas. Part III. Plants and Flowers. Vol. 12 (nos. 7 and 8, October and November, 1898), p. 153-157. Y^B (629)

NOTE.—"If after the fall of man any truant flower of Eden escaped its bounds their seeds must have found a kindly soil in Bermuda. . . . Bermuda is a botanist's paradise. . . . The Passion-flower, Narcissus, Geranium, Heliotrope, Verbena, Violet, Wistaria, and a Creeper known as *Bourgainvillea*, one of the handsomest adjuncts to a wall or veranda that the world produces, are all remarkable for their luxuriance. "The following species are described: Passion-flower, 2 species (*Passiflora carulea*) and (*P. minima*); Narcissus, 2 species (*N. Tazetta*) and (*N. jonquilla*); Honeysuckle, 2 species (*Caprifolium sempervirens*) and (*Lonicera Japonica*); Morning Glory (*Convolvulus major*); Easter Lily (*Lilium Harrisii*); and a dwarf species (*L. longiflorum*); Blue Lily (*Agapanthus umbellatus*); Egyptian Lily or Arum (*Calla Ethiopica*); Cane Shot (*Canna coccinea*); a lily species, known as Elephant's Ears (*Caladium*); a plant miscalled Heath (*Russelia juncea*); Poppy (*Papaver dubium*) and (*P. somniferum*); Stock (*Matthiola incana*); Stinging Thistle (*Argemone Mexicana*); Evening Primrose, 4 species (*Enothera longiflora*), (*E. sinuata*), (*E. rosea*), and (*E. humifusa*); Four o'clock plant (*Mirabilis Jalapa*); Golden Rod (*Solidago sempervirens*); Salvias, 4 species (*Salvia splendens*, (*S. purpurea*), (*S. coccinea*), and (*S. serotina*); Barbadoes Fence (*Poinciana pulcherrima*); Red Justicia (*J. lurida sanguinea*) and (*J. alba*); Life Plant (*Bryophyllum calycinum*); Dwarf Banana (*Musa Cavendishii*); Common Banana (*M. sapientum*); Red Banana (*M. rosacea*); Fig Banana (*M. spicatum*); Plantain (*M. paradisiaca*); Cassava

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(*Jatropha Manihot*); Arrowroot (*Maranta arundinacea*); and a plant supposed by the writer to be a *Sanseveria*. "Owing to the extreme moisture in the air, vegetation is always luxuriant, growth being sustained by the heavy dews and the great evaporation at night. These conditions approach the description of Eden, where 'a mist went up from the garden and watered the face of the earth.'"

SMALL, H. Beaumont. Bermuda: Life beneath the Waters. Vol. 12 (no. 10, January, 1899), p. 191-194.
Y^B (630)

NOTE.—This is an extract from the author's "In the Bermudas." The author names several kinds of fish conspicuous for their beauty, and hopes that before long a biological station may be established at Bermuda. He records that he saw a specimen of an *Octopus*, washed up by a storm, whose tentacles were nearly three feet in length, and its hideous glaring eye and formidable beak made it a most repulsive object.

SMALL, H. Beaumont. The Bermuda or Easter Lily. Vol. 13 (no. 3, June, 1899), p. 71-72. Y^B (631)

NOTE.—This article gives an account of the lily culture and of the injury caused by the lily disease. It closes with the curious legend of its origin in China as the "Bak-hap," its subsequent development in Japan, and its final introduction into the Bermudas.

Outing; an illustrated monthly magazine of sport, travel, and recreation. New York. 8°.

STUART, Percy C. Bicycling in Bermuda. Vol. 25 (no. 2, November, 1894), p. 166-168. J^F (632)

NOTE.—"When I stepped on shore my bicycle-loving heart raised me to the seventh heaven of ecstasy. Think of it, wheelmen! over one hundred miles of hard, smooth roads that are probably not surpassed the world over, and through the most beautiful, picturesque, and varied scenery that a nature-loving enthusiast could long for." —p. 167. "Every one should ascend the tower [Gibb's Hill lighthouse] to get the view. It is the finest in Bermuda, and altogether baffles description."—p. 168.

DOWDEN, Thomas Blackmore. Touring Bermuda a wheel. Vol. 27 (no. 3, December, 1895), p. 236-240. 5 woodcuts. J^F (633)

NOTE.—"The roads undulate gradually, usually rising twenty-five to fifty feet above the tide, and the landscape is thus pleasantly diversified. The ride along the north road, coming out by Harrington Sound and Neptune's Grotto, affords a series of views of unparalleled beauty and picturesqueness."—p. 237. The writer visited Gibb's Hill, Walsingham and its caves, Paynter's Vale, and Prospect Hill by land; and then the reefs and North Rock, where the sea-glasses reveal "a fairy world of their own."

Outlook, The. New York. 8°.

HALE, Edward Everett. The Boer prisoners in Bermuda. (A letter.) Vol. 69 (no. 2, September 14, 1901), p. 141. (634)

NOTE.—An offer to furnish curios made by the prisoners or to send donations in money to them.

BALLENTINE, Frank Schell. A visit to the Boers in Bermuda. Vol. 69 (no. 10, November 9, 1901), p. 633-637. (635)



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Outlook, The. (Continued.)

NOTE.—This writer found that the prisoners were as well supplied with shelter and food as their guards, that they were "unusually healthy," but that they were in need of clothes, which was only supplied by the government "on condition that the Boers themselves pay for them."

HALE, Edward Everett, and WHITMAN, Mrs. Bernard. The Boer prisoners at Bermuda. Vol. 69 (no. 13, November 30, 1901), p. 849. (636)

NOTE.—A letter to the Editors of the *Outlook*, giving a report (by the President and Secretary of the Lend-a-Hand Society), of the manner in which money contributed for the Boer prisoners has been used for their benefit.

VIZETELLY, Frank H. The Boers in Bermuda, [with comments by the Editors]. Vol. 69 (no. 13, November 30, 1901), p. 849-851. (637)

NOTE.—A letter to the Editors, reviewing the article of F. S. Ballentine, which appeared in the *Outlook* for November 9, 1901, and calling attention to its inaccuracies.

OUTERBRIDGE, A. E., & Co. The Boers in Bermuda. (A letter.) Vol. 69 (no. 15, December 14, 1901), p. 997-998. (638)

NOTE.—Offer to transport clothing free of charge to the Boer prisoners, but informing the public that the authorities at Bermuda will receive no second-hand clothing under any circumstances.

KEY, W. S. The Boer prisoners in Bermuda. Vol. 70 (no. 7, February 15, 1902), p. 424-427. (639)

NOTE.—The writer was sent to Bermuda by the Lend-a-Hand Society of Boston to ascertain the condition of the Boer prisoners confined there. Reports of a conflicting nature had reached the Society; "one writer asserting that the prisoners were being neglected and starved by their captors, another claiming to know that their condition was practically all that it could be. Mr. Key found that neither the one statement nor the other quite represented the actual facts, though there was some truth in both."

HALE, Edward Everett. The Boer prisoners. (A letter.) Vol. 70 (no. 17, April 26, 1902), p. 1029. (640)

NOTE.—An appeal for awnings for the Boer prisoners. "The service which we render to the prisoners is exactly of the sort which the Sanitary Commission rendered to our army in the Civil War." In one case duty was charged on some clothing sent from Boston, but on the Governor's attention being called to the fact the money was immediately returned.

Overland Monthly; devoted to the Development of the Country. San Francisco. 8°.

HOFFMAN, Mrs. M. L. Bermuda. Vol. 7 (no. 2, August, 1871), p. 138-143. A^s (641)

NOTE.—A sketchy historical and descriptive account of the islands. Reference is made to Governor Hamilton's endeavor to found a Marine Academy there, and the failure of his plan through lack of means.

Pall Mall gazette: An evening newspaper and review. London. folio.

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[BERMUDA as a military station.] November 1, 1871,
p. 4, col. 1. W^L (642)

NOTE.—Bermuda has never been a station in much favor with the army. The sanitary condition, says the writer, is terribly bad and "the mortality among the troops greater than at any other station except China."

Pall Mall magazine. London. 8°.

RESIDENT, A. Boer prisoners at Bermuda. Their life in a West Indian paradise, and what they think of the war. By a Resident. Vol. 25 (no. 103, November, 1901), p. 361-368. 7 illustrations and 1 map. (643)

NOTE.—"The islands [five, of which one is used for a hospital] on which the Boers are encamped are small, and the encampments somewhat cramped, but the general feeling among the prisoners is one of distinct satisfaction with their quarters."—p. 362.

Papers on subjects connected with the duties of the Corps of Royal Engineers. London. 4°.

REID, Sir William. On Hurricanes. Vol. 2 (Professional Papers; 1838), p. 137-208. illustrated. A⁸ (644)

NOTE.—Speaking of the storm of September 29, 1830, he says: "Though the line of its course passed over or near Bermuda, officers who were stationed there in 1830 do not recollect it. . . . An occurrence was mentioned which seems to indicate a whirlwind on a small scale. In September, 1830, a whaleboat, on Smith's Island, in St. George's Harbour, Bermuda, was lifted and carried 50 or 60 yards; and trees, along a narrow line, were blown down or injured; yet no severe wind was experienced elsewhere."—p. 152. Chart III. (p. 151), gives the course of this hurricane.

Pearson's magazine. New York. 8°.

FRASER, Captain P. J. A garden prison. Vol. 12 (no. 70, October, 1901), p. 458-463. 8 illustrations. (645)

NOTE.—"I was not surprised after conversing with the Boer prisoners who have been sent there, to find them little inclined to complain of their lot. . . . I should question, indeed, if any prisoners of war had ever been so well looked after." An account of David Stephen Du Plooy's escape, from the Darrell's Island encampment to New York, as a stowaway on the Trinidad, is given.

Pennsylvania — Provincial Council. Minutes. Harrisburg. 8°.

PENNSYLVANIA — Committee [or Council] of Safety. Minutes; June 30, 1775 to November 12, 1776. Vol. 10 (1852), p. 277-784. Y^o (646)

NOTE.—The two following entries relate to Bermuda: At the meeting of September 20, 1775, "Colo. Dickinson, agreeable to a resolve of the Congress, applied to this board for a state of the account of Powder between this board & the Congress, when he was furnished with the following account." In the account which follows appears the following credit entry: "Aug't 6.—By Sundry Casks of Powder imported in the Lady, Capt. Ord, from Bermuda, 1800 [lbs.]. . . . N. B.—There was upwards of 7 cwt. of the powder imported from Bermuda that was not fit to use."—p. 340-341.

At the meeting of November 25, 1775, it was resolved to enter upon the minutes of the Committee the Resolves

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Pennsylvania — *Provincial Council.* (Continued.)

of Congress of the 22d November, 1775, for the relief of the Inhabitants of Bermuda, which was done. It was "Resolved, That this Board request the Committee of Inspection and observation to see the Resolve of Congress (inserted this day) carried into execution, granting permission to Edward Stiles to Load with Provisions the Sea Nymph, Samuel Stobel, Master, for Bermuda." — p. 411-414.

People, The. Cambridge, Mass. 8°.

SCOTT, W., A. M. A cheap library post. Supplement of *The People*; March-May, 1901. 32 pp. and cover title-page. Y^c (647)

NOTE.—"The Bermuda Library has Free Postage. The Honorary Secretary of the Bermuda Library, Hamilton, Bermuda, cites the postal law as follows: 'Books or book packets sent to or from the Bermuda Library and posted in accordance with the regulations as to book packets shall be forwarded and delivered by inland post free of postage.' This act has been in operation since 1879."—p. 27. There are two editions of this supplement, in one the title-page contains "Index" and list of "Illustrations", in the other the space so occupied is filled with an illustration of "A Group of [postmen] Library Helpers in the Future."

Perry, William Stevens. History of the American Episcopal Church; 1587-1883. Boston. 4°.

TYLER, Moses Coit. Dean Berkeley's sojourn in America; 1729-1731. Vol. 1 (1885), p. 519-540. 3 woodcuts. Y^c (648)

NOTE.—Berkeley's object in coming to America was to found a college at Bermuda. He raised £5,000 or more by subscription and had a promise of £20,000 more from Sir Robert Walpole, as a grant from the government. The death of George I., in 1727, prevented the grant. After waiting for three years, Berkeley returned to England with the fondest hope of his life blighted.

Petiver, James. *Musei Petiveriani.* London, 1695-1703. sm. 8°. 93 + [iii.] pp. Y^B (649)

NOTE.—This work is divided into ten parts paged continuously. In the eighth part, "Centuria Octava," dated 1700, p. 80, occurs the following entry: "To Mr. John Dickinson I am obliged for some Plants he lately sent me from Bermudas (besides two collections some Years agoe), with assurances of larger performances." This is one of the earliest, if not the earliest, reference to be found regarding the botany of those islands.

Philadelphia inquirer. Philadelphia. folio.

OLD [Bermuda] Hog money. September 26, 1897, p. 34, cols. 1, 2. 1 illustration. (650)

NOTE.—Hog money is first mentioned by Captain John SMITH in his *Generall Historie*; 1624, p. 183: "Beside meat, drinke and cloaths, they had for a time a certaine kinde of brasse money with a hogge on the one side, in memory of the abundance of hogges [that] was found at their first landing." So scarce has this money become that LEFROY says in his *Memorials*, vol. 1, p. 100: "Only one specimen is known to English collectors, and I have not seen more than eight or nine in Bermuda."

Bermuda in Periodical Literature.

Philadelphia times. See Times (Philadelphia).

Pinkerton, John. General collection of the best and most interesting voyages and travels. London. 4^o.

DISCOVERIES and Settlements made by the English in different parts of America. Vol. 12 (1812), p. 156-489. A^s (651)

NOTE.—Chapter II., sections 10 and 11 (p. 264-271), of this part of vol. 12, are entitled:—"The Discovery and first Settlement of the Bermudas, or Summer Islands, with some Account of them before they came into our Possessions," and "A short Description of those Islands, with an Account of their Commodities, and their Trade to England and to the Plantations." Pinkerton has here reprinted sections 18 to 21 (p. 180-237) of Book I. of the 2d volume (edition of 1748) of John HARRIS'S *Navigantium atque Itinerantium Bibliotheca*. For other references to Bermuda See vol. 12, p. 234 and vol. 13 (1812), p. 435, 581.

SMITH, Captain John. The Generall History of Virginia, New England, and the Summer Isles. Vol. 13 (1812), p. 1-253. Bn^l (652)

NOTE.—This is the first reprint of SMITH'S *Generall Historie*. Book V. (p. 171-205) is entitled: "The general History of the Bermudas, now called the Summer Isles; from their beginning in the Year of our Lord, 1593, to this present 1624, with their Proceedings, Accidents, and present Estate."

Plankton-Expedition der Humboldt-Stiftung. Ergebnisse der in dem Atlantischen Ocean von Mitte Juli bis anfang November, 1889. Kiel und Leipzig. 4^o.

NOTE.—1891-date. The reports of this Expedition are to consist of 57 parts, only about one-half of which have yet appeared.

KRÜMMEL, Otto. Vier Tage auf Bermudas (6 bis 9 August, 1889). Bd. I. A (1892), p. 80-104. 1 map and 12 woodcuts. P^a (653)

NOTE.—The following head-lines will give some indication of the subjects treated in this article:—"Ankunft in St. Georges; Die Höhlen; Untersuchung der Korallenriffe; Geschichtliches über Bermudas; Der äolische Korallensandstein; Entstehung der Inseln und Schären; Vegetation; Bodenkultur; Die Bevölkerung; Der 'Segen des Strandes' und der Fremdenbesuch."

DAHL, Fr. Die Landfauna von Bermuda. Bd. I. A (1892), p. 105-112. 1 plate. P^a (654)

NOTE.—This article has the following headlines:—"Wirbelthiere und Molluska; Insekten und Spinnen; Hohlenassel in der Walsingham-Höhle." The plate is entitled: "Land-Isopoden von Bermuda."

APSTEIN, Carl. Die Thaliacea der Plankton-Expedition. B. Vertheilung der Salpen. 1894. Bd. II. E. a. B. Y^c (655)

NOTE.—"Salpa floridiana [n. sp., p. 9-12] ist von der Plankton-Expedition entdeckt worden und sich häufig im Floridasstrom bis zu den Bermudas-Inseln," p. 32. See also pp. 42, 59, plates 1, figs. 1-6 and plates 2, 3, and 4.

LOHMANN, H. Die Appendicularien der Plankton-Expedition. 1896. Bd. II. E. c. Y^c (656)

Bermuda in Periodical Literature.

Plankton-Expedition. (Continued.)

NOTE.—*Oikopleura dioica* Fol., p. 76-79. See also p. 96, Index, p. 147, Tafel xvi, Fig. 1, und Tafel xvii, Figs. 4, 9.

SIMROTH, Heinrich. Die Gastropoden der Plankton-Expedition. 1895. Bd. II. F. d. Y^c (657)

NOTE.—Aehnliches, mehr konisches Schälchen (Hafen von St. Georges, Bermudas-Inseln), pp. 127-128, Tafel xv, Fig. 14. Drei verschiedene Formen aus denselben Planktonzuge, p. 130, Tafel xv, Figs. 4, 6, und 7. Weniger flache Larve, gerippt, p. 132, Tafel xiv, Figs. 20 und 21. Helles, kugeliges Schälchen mit dunklem Deckel (Hafen von St. Georges), p. 132, Tafel xiv, Fig. 19. Kugeliges Schälchen mit erweitertern Mundsaum, p. 133, Tafel xix, Figs. 10-21. Entkalkte Larve mit ähnlichem Deckel, p. 134, 135, Tafel xiv, Fig. 9. *Doto ocellifera*, n. sp. (Hafen von St. Georges, Bermudas), pp. 168-170, Tafel xx, Figs. 6-10 (colored). See also pp. 188, 189.

SIMROTH, Heinrich. Die Acephalen der Plankton-Expedition. 1896. Bd. II. F. e. Y^c (658)

NOTE.—Im Hafen von St. Georges, Bermudas (one species), p. 32. See also Tafel iii.

LOHMANN, H. Die Halacarinen der Plankton-Expedition. 1893. Bd. II. G. a. B. A^s (659)

NOTE.—The following 7 species were obtained at Bermuda:—*Halacarus nationalis* nov. sp., p. 70-71, Tafel i. und ii. — *H. pulcher* nov. sp., p. 77, Tafel v. und pag. 75, Fig. 7. — *H. lamellosus* nov. sp., p. 79-80, Tafel vi, vii, Figs. 1 und 4. — *H. ctenopus* Grosse, p. 82-83, Tafel ix, Figs. 2, 4 und 5. — *Agaue microrhyncha* Trouess, p. 86, Tafel xi, Figs. 1, 2, 5-9. — *A. ornata* nov. sp., p. 86-87, Tafel xi, Figs. 3 und 4. — *A. brevipalpus* Trouess, p. 87. See also pp. 21, 22, 23, 52, 93, and 94.

ORTMANN, Arnold. Decapoden und Schizopoden der Plankton-Expedition. 1893. Bd. II. G. b. Y^c (660)

NOTE.—*Sicyonia carinata*, Olivier (Bermuda-Inseln), p. 28 *Penaeus* sp? [*P. constrictus*, Stimpson?] (von dem Bermudas Inseln), p. 29. *Alpheus edwardsi*, Audouin var.? (Bermuda, am Ufer), p. 44. *Alpheus minor*, Say, (Bermuda), p. 45. *Leander affinis*, Milne-Edwards (Bermuda, am Ufer), p. 47. *Petrolisthes armatus*, Gibbs (Bermuda, am Ufer), p. 51. *Calappa flammula*, Herbst (Bermuda), p. 53. *Macrophrys bicornutus*, Latreille (Bermuda), p. 53. *Macrocoeloma trispinosa*, Latreille (Bermuda, ein Exemplar), p. 53. *Mithrax (Mithraculus) hirsutipes*, Kinglesy (Bermuda), p. 54. *Neptunus sayi* (Bermuda), p. 54. *Actaea setigera*, Milne-Edwards (Bermuda), p. 56. *Panopeus herbsti*, Milne-Edwards, var. *serrata*, Saussure (Bermuda), p. 56, 57. *Pachygrapsus transversus*, Gibbs (Bermuda), p. 57. *Zoëa*, Milne-Edwards (im Hafen von St. Georges, Bermuda), p. 94, 95. See also pp. 8 note, 28, 72, 88, 89, and 98, also Tafels viii. and x.

HANSEN, H. J. Isopoden, Cumaceen und Stomatopoden der Plankton-Expedition. 1895. Bd. II. G. c. Y^c (661)

NOTE.—*Nannastacus hirsutus*, n. sp. (Bermuda, in Algen, 1 Exemplar), p. 59, 60, Tafel vii, Figs. 3-3 b. *Lysierichthys vitreus*, Fabr. (Bermudas, 1 Exemplar), p. 77-79.

HANSEN, H. J. Die Cladoceren und Cirripeden der Plankton-Expedition. 1899. Bd. II. G. d. Y^c (662)

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NOTE.—Cladocera: see p. 13. Cirripedia *Nauplius B* (Im Hafen von St. Georges, Bermudas Inseln, 2 Exemplare), p. 22, 23, Tafel i. Figs. 5-5 e. Die Larven von Typus x. (Im Hafen von St. Georges, Bermudas Inseln), p. 40 (38-41), Tafel iii, Figs. 1-1c. See also pp. 13, 35, and 36, also Tafel iv.

REIBISCH, Johannes. Die pelagischen Phyllodociden und Typhloscoleciden der Plankton-Expedition. 1895. Bd. II. H. c. Y^c (663)

NOTE.—See p. 7, also Tafeln vi.-viii.

HÄCKER, Valentin. Die pelagischen Polychaeten und Achaetenlarven der Plankton-Expedition. 1898. Bd. II. H. d. Y^c (664)

NOTE.—*Mitraria* (im Hafen von St. Georges auf Bermudas), p. 12-16, Tafel i, Figs. 6-10, Tafel ii, Figs. 11-13. See also pp. 10, 15, 25, 41, 44, and 46, also Tafel v.

MORTENSEN, Th. Die Echinodermenlarven der Plankton-Expedition nebst einer systematischen Revision der bisher bekannten Echinodermenlarven. 1898. Bd. II. J. Y^c (665)

NOTE.—*Auricularia simplex*, n. sp. (Hafen der Bermudas-Inseln, 8 Exemplare), p. 14, Tafel i, Figs. 4-6. *A. plicata*, n. sp. (Ein grosses schönes Thier, fast 3 mm. lang. Bermudas-Inseln, nur 1 Exemplar), p. 22, Tafel ii, Fig. 2. *Ophiopluteus Henseni*, n. sp. (Bermudas-Inseln, 1 Exemplar), pp. 62, 63, Tafel vii, Fig. 2. See also pp. 109, 111, 119, also Tafel x.

CHUN, Carl. Die Siphonophoren der Plankton-Expedition. 1897. Bd. II. K. b. Y^c (666)

NOTE.—*Ersaea Lessonii*, Huxley (Bermudas), p. 26, 27. See also Tafeln vii. and viii.

MAAS, Otto. Die craspedoten Medusen der Plankton-Expedition. 1893. Bd. II. K. c. Y^c (667)

NOTE.—See pp. 91, 92, also Tafeln vii. and viii.

BENEDEN, Edouard van. Les Anthozoaires de la "Plankton-Expedition." 1897. Vol. II. K. e. A^s (668)

NOTE.—*Onactis bermudensis*, p. 82-84, Planche v., Fig. 15 à 23, also woodcut in text. *Dactylactis digitata*, p. 94-97, Planche vii, Fig. 19 à 22, also woodcut in text. See also Planche xvii; a map giving the course of the trip, with the localities where different species were collected.

Plant world, The: A monthly journal of popular botany. Washington. 8^o.

HOWE, Marshall Avery. Botanizing in Bermuda. Vol. 4 (no. 6, June, 1901), p. 101-104. 2 full-page illustrations. (669)

NOTE.—Also issued as a separate. Read at the winter meeting of the Vermont Botanical Club, held at Burlington, Vermont, January 25 and 26, 1901. The author spent nearly six weeks, including the month of June and the first half of July, 1900, in Bermuda, chiefly in the collection and study of its marine algæ. The paper gives a general description of the flora and agriculture of the islands. In closing Mr. Howe enthuses "a little over the delightful clearness of the Bermudian waters, the exquisite coloring and beautiful forms of the living corals," and other submarine life.

Bermuda in Periodical Literature.

Popular science monthly, The. New York. 8°.

VERRILL, Addison Emory. The story of the Cahow.
The mysterious extinct bird of the Bermudas. Vol.
60 (no. 1, November, 1901), p. 22-30. 4 illustrations.
Y^c (670)

NOTE.—The writer gives extracts from Strachy, Jourdan, Hughes, Butler, and the laws enacted by the Bermuda Company respecting the abundance and habits of these birds. Hurdiss in 1849 visited Gurnet Head Rock, lying off Castle Harbor, and found nests of the shearwater "in the crevices of the rocks. He concluded that he had found and identified the long-lost cahow." Reid and later writers, without further observation, accepted his identification. Professor Verrill, after a careful study of the locality and early accounts of the cahow, is of the opinion that the bird found by Hurdiss was that known to the early settlers as the "Pimlico," thus leaving the question open to further investigation.

Presbyterian Reformed Review. Philadelphia. 8°.

NOTMAN, W. Robson. The Early Church in Bermuda. Vol. 7 (no. 28, October, 1896), p. 630-647.
J^F (671)

NOTE.—Written by a former minister of Bermuda to controvert the conclusions of Sir John Henry LEFROY in his *Memorials* as to the early church of Bermuda—being the Church of England. He says:—"This article has two purposes in view. Primarily, it is an attempt to claim justice for the Presbyterian Church in Bermuda, which has suffered from Lefroy's misrepresentations and which to this day is denied credit for the part she took in the early religious history of the colony; and in the second place, it is an earnest plea, addressed to all who read Lefroy's *History*, against receiving his conclusions on Bermuda Church questions without at any rate verifying the data upon which those conclusions are based."
—p. 630-631.

Prévost-d'Exiles, Antoine François. Histoire Générale des Voyages. Paris. 4°.

VOÏAGES et Etablissements aux Iles Bermudes, nommées Summer-Islands par les Anglois. Tome 15 (1759), p. 626-634. A^s (672)

NOTE.—"Leur decouverte; Origine de leur nom; Avanture de trois Anglois; Formation d'une Colonie Angloise; Fléur des Rats; Fuite étrange de quelques Anglois; Progrès de la Colonie; Nombre des Iles Bermudes; S. Georges est la plus grande; Sa Description; Sa Capitale; Division de cette Ile; Climat des Bermudes; Terroir; Ses productions; Voyage du Poëte Waller aux Bermudes.

Prowse, D. W. History of Newfoundland. London, 1895. 8°.

COGHLIN, Jeremiah. [Bermudians in the Newfoundland Bank Fishery; with correspondence.] p. 345-347, 416-418. 1 woodcut. A^s (673)

NOTE.—In 1787 and 1788 thirty-four Bermudian sloops went to Newfoundland loaded with salt from Turks Island. They remained during the fishing season, thus becoming rivals of the native fishermen. The woodcut represents a Bermudian sloop of the eighteenth century.

Psyche. Organ of the Cambridge Entomological Club. Cambridge, Mass. 8°.

Bermuda in Periodical Literature.

JONES, John Matthew. On an immense flight of small (Terias lisa) in the Bermudas. Vol. 1 (no. 20, December, 1875), p. 121-125. Y^u (674)

NOTE.—Only one other instance of a flight of these butterflies visiting the islands is recorded. It may be found in the author's *Naturalist in Bermuda*, p. 120. This visit took place October 1, 1874, the former one, October 10, 1847. The writer is of the opinion that this extraordinary flight was caused by a revolving gale which carried these butterflies near the islands, when their "instructive impulse" caused them to complete the trip. See also HURDIS, *Rough Notes*, p. 331.

KING, George B. Two New Coccids from Bermuda. Vol. 8 (no. 276, April, 1899), p. 350. (675)

NOTE.—The coccids here noted were discovered upon a potted *Cycas revoluti* from Bermuda, which had been trimmed quite close to its roots. The first proved to be *Aspidiotus hederæ* Vallot, the second was determined by Prof. Cockerell, to whom a mount and some of the scales were sent for identification, to be *Aulacaspis elegans* Leon; described as *Howardia elegans*, and only known hitherto from Portici, Italy, on *Cycas revoluta*. Only two other species are known to this writer from Bermuda, "*Mytilaspis citricola* Pack. on orange and lime trees, and *Chionaspis citri* Comst. on orange."

PURCHAS, Samuel. Purchas his Pilgrimage. Third edition. London, 1617. folio.

OF THE BERMVDAS or Sommers Ilands. (9th Booke, chapter xiiii, § iii.) p. 1094-1095. Y^o (676)

NOTE.—This account "although it contains little not given elsewhere may be reproduced for the sake of its allusion to the daring escape of three men in a small boat in 1616, in terms which show that the marginal notes were added in that year. The text may probably have been written while Richard Moore was governor [1612-1614]."—LEFROY's *Memorials*, vol. 1, p. 101. Lefroy has given this in full (*ibid.*, p. 101-104), though his citation is to vol. 5 of the edition of 1626.

PURCHAS, Samuel. Purchas his Pilgrimes. London, 1625-26. folio.

OVIDIO Y VALDES, Gonzalo Fernandez. Extracts [from] his Summarie and Generall Hiftorie of the Indies. Vol. 3 (1625), p. 970-1000. A^s (677)

NOTE.—On pages 988 and 989 is the earliest description of Bermuda. This passage is quoted in full, but without the marginal notes, by LEFROY, in his *Memorials*, vol. 1, p. 2-3.

STRACHY, William. A true reportory of the wracke and redemption of Sir Thomas Gates Knight; vpon, and from the Ilands of the Bermudas: his comming to Virginia, and the estate of that Colonie then and after, vnder the gouernment of the Lord La Warre, Iuly 15, 1610. Vol. 4 (1625, Book 9, chapter 6), p. 1734-1758. A^s (678)

NOTE.—"§. I. A most dreadfull Tempeft (the manifold deaths whereof are here to the life described) their wracke on Bermuda, and the description of thofe Ilands," p. 1734-1741. "§. II. Actions and Occurrents whiles they continued in the Ilands: Rauens sent for Virginia; Diuers mutinies; Paine executed; Two Pinnaces built,"

Bermuda in Periodical Literature.

Purchas, Samuel. (*Continued.*)

p. 1742-1747. "§. III. Their departure from Bermuda and arriual in Virginia: miferies there, departure and returne vpon the Lord La Warres arriuing. Iames Towne described," p. 1747-1753. Sections 1 and 2 and a part of section 3 are quoted by LEFROY in his *Memorials*, v. 1, p. 22-51. The period covered by the narrative, so quoted, is from June 2, 1609 to May 21, 1610; the shipwreck occurring July 28, 1609.

"The 'True Reportory' suggested 'The Tempest,' which entitles it to a place in literary history, and is remarkable for the force, almost the magnificence of its picture of the storm which wrecked the Sea-Venture."—JOHN ESTEN COOKE in his *Virginia*, p. 137.

VOYAGE (The) of Captaine Samvel Argal, from Iames Towne in Virginia, to seek the Ile of Bermuda, and misfing the fame, his putting ouer toward Sagadahoc and Cape Cod, and fo backe againe to Iames Towne, begun the nineteenth of Iune, 1610. Vol. 4 (1625, Book 9, chapter 7), p. 1768-1762. A^s (679)

NOTE.—Reprinted in BROWN'S *Genesis of the United States*, vol. 1, p. 428-439.

ENGLISH Voyges to the Summer Ilands; Henry Mays Shipwracke there 1593. The first Colonie sent 1612. Vol. 4 (1625, Book 9, chapter 16), p. 1793-1795. A^s (680)

MOORE, Richard. A Copie of the Articles which Master R. More, Gouvernour Deputie of the Sommer Ilands, propounded to the Company that were there with him to be subfcribed vnto, which both he and they subfcribed the fecond of August, in his houfe, Anno 1612. which about the fame time he sent into England, to the Worfhipfull Company of the Adventurers. Vol. 4 (1625, Book 9, chapter 16), p. 1795-1796. A^s (681)

NOTE.—This chapter is made up of an abridged account of May's shipwreck taken from HAKLUYT'S *Principal Navigations*, vol. 3 (1600), p. 573-574, and "An Addition sent Home by the Last Ships," which is appended to "A Plaine Description of the Barmydas" (1613). See LEFROY'S *Memorials*, vol. 1, p. 7-9 and 66-72, respectively.

NORWOOD, Richard. Relations of Summer Ilands, taken out of M. Richard Norwood, his Map and Notes added thereto, printed 1622. The Hiftory of the Creatures growing or liuing therein, being enlarged out of Capt. Smith's written Relations. Vol. 4 (1625, Book 9, chapter 17), p. 1796-1800. A^b (682)

NOTE.—At the end of the preceding chapter Purchas says:—"M. Norwood hath bene a diligent Surueyor of the place and accidents, and hath giuen a Map of the one (common to be fold) and a briefe relation of the other. But becaufe his Hiftory of the Creatures is briefe, I haue borrowed out of Captaine Smith, what he had borrowed of Capt. Butler, and others to giue the Reader more full fatisfaction in that kind." Norwood's map (the first of any portion of the western hemisphere based upon a careful survey) may be found in the atlases of Speed, Janssonius, Bleau, and Hondius. Of his "Briefe Relation," referred to above, I have been unable to trace a single copy.

Bermuda in Periodical Literature.

SMITH, Captain John. Extracts out of Captaine John Smiths Historie of Bermudas, or Summer Ilands; touching the English Acts and Occurrents there from the beginning of the Plantation. Vol. 4 (1625, Book 9, chapter 18), p. 1801-1805. A^s (683)

NOTE.—The headlines are as follows:—"The animal and vegetall creatures in Summer Ilands; Moores Fortifications; Spanish ships; Rat-plague; Feagues-sicknes; Flying-Fishes; Brafle money; aizes kept; Houfe of Cedar; Church finifhed; Spanish Wrack; Bulwarkes raifed; Miserable torments; Noifome Wormes."

VIRGINIAS Verger: Or a Difcourse fhewing the benefits which may grow to this Kingdome from American Englifh Plantations, and fpecially thofe of Virginia and Summer Ilands. Vol. 4 (1625, Book 9, chapter 20), p. 1809-1826. A^s (684)

OF THE BERMUDAS, or Sommers Ilands. Vol. 5 (1626, Book 9, chapter 14), p. 960-961. A^s (685)

NOTE.—The same as in the Third edition, 1617, given above.

Quarterly journal of microscopical science: London. 8°.

ANDRES, Angelo. On a new Genus and Species of Zoanthina malacodermata (*Panceria spongiosa*, sp. n.). Vol. 17, n. s. (Part 3, 1877) p. 222-226. 1 plate. Y^m (686)

NOTE.—Though the above article is referred to by *Heilprin*, in his *Bermuda Islands* (p. 125), I find no reference in it to the Bermudas.

BEDDARD, Frank Evers. On the structure of a species of Earthworm belonging to the Genus *Diacheta*. Vol. 31, n. s. (no. 122, n. s., June, 1890), p. 159-174. 2 plates. Y^c (687)

NOTE.—"I received some time since, through the kindness of Mr. Windle, a number of examples of earthworms from the Bermudas. Some of these belonged to a species of *Lumbricus*, while others seemed to be referable to the genus *Urochata*; under this generic name I described a year ago in *Nature* the remarkable characteristics of the *setæ* of the hinder end of the body of this worm.

"I believe now that the earthworms belong to Mr. Benham's genus *Diacheta*, though probably representing a new species of that genus, which is at present only known by Mr. Benham's account of the anatomy of *Diacheta Thomasii*."—p. 159.

Quarterly review. London. 8°.

HUNTER, Joseph. Disquisition on the scene, origin, date, etc., of Shakspeare's Tempest. [A review of the above-named work.] Vol. 65 (no. 130, March, 1840), p. 469-484. Y^c (688)

NOTE.—The scene of *The Tempest* is discussed in this review of Hunter's pamphlet, with arguments for and against Bermuda. In support of the Bermudas, SMITH'S *Virginia*, p. 120, is quoted:—"It is generally supposed, by Malone and the elder commentators, that in composing this exquisite poem, Shakspeare had the wreck of Sir George Somers on the reefs of Bermuda in his mind."—p. 475.

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Quarterly review. (*Continued.*)

[BERKELEY'S scheme for founding a college in the Bermudas.] Vol. 132 (no. 263, January and April, 1872), p. 96-99. Y^c (689)

NOTE.— This passage occurs in a review of the *Works* of George BERKELEY, D. D. . . . with prefaces by Alexander C. Fraser (4 vols., 8vo. Oxford, 1871), to which reference may be had for more extended information.

Quebec Steamship Company. Winter resorts in Southern seas, A guide to Bermuda and the Windward West India Islands. New York. 8°. Y^c (690)

TAYLOR, F. H. A trip to Bermuda. (1885?), p. 3-16. 14 woodcuts.

NOTE.— A good general description of the islands. Of the roads he says:—"The first thing which strikes the new-comer upon going ashore, and driving away to his or her new abiding place, is the excellence of the roadway. Here, indeed, is a pavement which is the *acme* of good workmanship and enduring quality. It is simply the solid coral rock planed down to a level or made by the debris of the same material, which rapidly levels down like cement under the action of the elements, and becomes hard and durable."—p. 12. The Steamship Company issues each year a booklet giving information and views, which may be had on application, at 39 Broadway, New York City.

Ratzel, Friedrich. Bibliothek Geographischer Handbücher. Stuttgart. 8°.

BOGUSLAWSKI, Georg von, and KRUMMEL, Otto. Handbuch der Ozeanographie. 2 vols. 1884-87. Y^c (691)

NOTE.— In the Register are the following references: Bermudas-Inseln I. 59. 68. 75f. 87f. 114. 214. 228. 253. 255. 273. 275. II. 313. 319f. 391f. 394. 396f. 420. 422. 424. 428. 430.

Ray Society. Publications. London. 8°.

GRISEBACH, August Heinrich Rudolph. Report on the progress of geographical and systematic Botany, during the year 1845. Sixth year, v. 1 (1849), p. 315-413. A^s (692)

NOTE.— Under the heading "Islands of the Atlantic Ocean," this writer says:—"Reid [*Sir William*] has communicated some reports upon the cedar of the Bermuda Archipelago (Lond. Journ. of Bot., 1844, p. 266, and 1843, p. 1). The inhabitants erroneously consider this Coniferous plant (*Juniperus Bermudiana*) to be the same as the Virginia cedar (*Juniperus Virginiana*). Even the climate of these islands is very different from that of the opposite coasts of the American continent, as water never freezes in the Bermudas. The most magnificent oranges are produced there, being protected from the winds of the Atlantic by the large forests of these cedars, which cover all the uncultivated regions. This tree is also called the pencil cedar, although the wood does not appear to be used at present in the manufacture of lead-pencils in England. It is much prized for ship-building. Reid thinks that the Bermuda cedar does not occur in the hot climate of the West Indies, but it is very common on the mountains of Jamaica."—p. 389, 390.

A LETTER,
Sent into England
from the SVMMER
ILANDS.

VVritten by M. Lewes Hughes,
Preacher of Gods Word there.
1615.



g Printed at London by I.B. for William Welby,
and are to be sold at his shop at the signe of the Swanne.
in Pauls Church-yard. 1615.

TITLE-PAGE OF HUGHES' LETTER SENT INTO ENGLAND FROM THE
SVMMER ILANDS; LONDON, 1615. See No. 1336.

Bermuda in Periodical Literature.

- Reade, Oswald A. Plants of the Bermudas or Somers Islands. Hamilton, 1883. sm. 8°. 112 + vii pp. and cover-title. H⁸ (693)

NOTE.—“As an apology for introducing this work, I may state that, hitherto, the only attempt in this direction has been an alphabetical catalogue of plants compiled by Dr. Hinson from a list left in the Public Library by Governor Lefroy. To this catalogue [of some 560 species] I have now added about one hundred and fifty species of indigenous and naturalized plants—a large number considering the small area (twenty square miles) of our Islands.”—*Preface*. “Among other documents relating to the flora of the Bermudas for which we are indebted to Sir J. H. Lefroy,” says HEMSLEY in his *Botany of the Bermudas* (Challenger Expedition Report), p. 5, “is a copy of a List of the Native Plants of Bermuda, compiled by A. W. Lane, Esq., of H. M. S. ‘Illustrious,’ and presented to the Bermuda Library by Sir W. J. Reid, 8th July, 1845. This list includes 127 species, a large portion of which we regard as indigenous.”

- Reid, Savile G. The Birds of the Bermudas. Reprinted from *The Zoologist* for October and November, 1877. London, 1877. 8°. p. 393-424, 473-493. Hⁿ (694)

NOTE.—A separate, extracted from *The Zoologist*, with added title-page. “These notes on the Ornithology of the Bermudas were originally published in ten different numbers of *The Field* in July, August, and September, 1875. They are now reprinted, with corrections and numerous additions by Lieut. H. Denison, R. E., F. Z. S., who has kindly assisted the author in revising them.”—p. 393 *note*.

- Reid, Savile G. The Birds of the Bermudas. Printed in *The Zoologist* for October and November, 1877, and now reprinted by permission, with an Appendix. Hamilton, Bermuda, 1883. 8°. 43 + [1] + 2 pp. and cover-title. (695)

NOTE.—The author was in Bermuda from March 30, 1874, until June 3, 1875. “With the exception of a solitary example of the European Sky Lark *Alauda arvensis* obtained in 1850, the whole of the birds recorded in the Bermuda list are included in that of North America and no species has as yet been discovered peculiar to the islands. . . . Rejecting doubtful occurrences, 181 species are known to have occurred in Bermudas up to June 3rd, 1875. Since then two more species, *Certhia familiaris* and *Limosa hudsonica*, have been added. During the fourteen months I resided there, no less than 79 species were recorded, 68 of these by myself personally.”—p. 4, 5. The author acknowledges his indebtedness to the notes of Major Wedderburn and Mr. Hurdis in JONES’S *The Naturalist in Bermuda*, to Mr. Jones, to Mr. Bartram, of Stock’s Point, and to Col. Bland and Lieut. Denison. The nomenclature adopted is that of Dr. Coles in his “Key to North American Birds.” Mr. Bartram furnishes information regarding four new species:—*Hydrochelidon nigra*, Black Tern; *Puffinus opisthomelas*, Black-vented Shearwater; *Dendroica maculosa*, Black-and-Yellow Warbler; and *Regulus satrapa*, Golden-crested Kinglet; which is given in the Appendix with additional notes upon fourteen species previously noted in the body of the work.

Bermuda in Periodical Literature.

Reid, Sir William. An Attempt to develop the Law of Storms. Lond., 1838. 8°. A* (696)

NOTE.—"The Great Hurricane, 1780," occupies pp. 311-367 of this work. Of this storm the author says:—"At Bermuda, fifty vessels were driven on shore on the 18th of October; and we have here the log of the Berwick for that day, when she was to the northward of that island, from which we get the direction of the wind. Thus the Great Hurricane is traced beyond Bermuda, moving in the direction of the Azores."—p. 314, 315.

Reid, Sir William. Note on the Winds as influencing the Tracks sailed by Bermuda Vessels; and on the Advantage which may be derived from sailing on Curved Courses when meeting with Revolving Winds. [Hamilton, Bermuda, 1842.] 12°. 4 pp. A* (697)

NOTE.—This pamphlet, which has no title-page, is signed "W. R." and is dated at "Government House, Bermuda, 11th May, 1842." Sailing directions are given "From Bermuda to New York. From Barbadoes to Bermuda. From New York to Halifax," and "From England to Bermuda."

Reid, Sir William. Papers relating to Yellow Fever at Bermuda in 1843, and Previous Epidemics which had prevailed there in Former Years. Collected by Governor Reid, in 1843 and 1844, and printed by authority of the acting Governor, Council and Assembly in 1854. Hamilton, Bermuda, 1854. 8°, [ii] + 73 pp. and cover-title. (698)

NOTE.—Epidemic fevers have prevailed at the Bermudas at various times. The earliest of which mention is made occurred in 1699. Others are recorded for the years 1779-1780, 1796, 1812, 1818-22, 1837, and 1843-44. These papers consist of Extracts from the Journals of the Assembly relating to the Fever of 1780 (pp. 9-12); letters from medical men, chaplains, and tables, mostly relating to the yellow fever epidemic of 1843-44.

Reid, Sir William. Progress of the Development of the Law of Storms and of the Variable Winds. London, 1849. 8°, iv + 424 + [i] pp. 3 charts, 3 plates, and 87 woodcuts. Y* (699)

NOTE.—The author resided eight years at Bermuda as its governor. Chapter X. (pp. 245-273), entitled "The Result of Observations at the Bermudas," and on dividing weather tables according to barometric oscillations, contains quite full extracts from the Bermuda weather records from October 26, 1839, to May 22, 1840. Other matter of a local nature:—Bermuda gale of August, 1843, pp. 367-370, with diagram; Bermuda hurricane, September 12, 1839, pp. 36-42, with chart; sailing directions from Bermuda to New York, with diagram; from Bermuda to the West Indies; and from New York to Bermuda, pp. 267-269, 373-374. Other observations and references may also be found on pp. 2, 7, 9, 12, 22-23, 32, 57, 101-102, 275, 324, 345, and 351. There is a good chart giving the "Course of the Bermuda Hurricane of the 12th September, 1839." Other charts and woodcuts, containing local information, occur as frontispiece and on pp. 267, 323, and 369. I am informed by Professor Verrill that the Yale University Library possesses three volumes of unpublished letters from Governor Reid to William C. Redfield relating especially to the meteorology of the Bermudas.

Bermuda in Periodical Literature.

Review of Reviews, American edition, edited by Albert Shaw. New York. 4°.

SHAW, Albert. Some notes on Bermuda and its affairs. By the editor. Vol. 9 (no. 5, May, 1894), p. 563-572. 11 illustrations. A^s (700)

NOTE.—This article treats of Bermuda, its location and isolation, description, history, coral-rock houses, population, society, negroes and slavery, agriculture, flora, its strategic importance, and government. On p. 516 of the same number of this magazine may be found a column on "Bermuda as an Object Lesson," showing that by its location, trade, and strategic importance it should be brought under our flag.

BOER PRISONERS, THE. Vol. 24 (no. 143, December, 1901), p. 736-737. 1 map. (701)

NOTE.—The first part of this article is largely made up of extracts from that on *The Boer Prisoners at Bermuda* in the November number of the *Pall Mall Magazine*, by a RESIDENT. Since vol. 16, no. 1, July, 1897, this periodical has been entitled *The American Monthly Illustrated Review of Reviews*.

Revue des Deux Mondes. Paris. 8°.

VARIGUY, C. de. Le Monde Antilien. 1. Les Bermudes et les Bahama. LXIII^e année—troisième période, vol. 119, vol. 327, (1^{re} livraison, September 1, 1893), p. 92-123. A^s (702)

NOTE.—Section II., pp. 99-103, is devoted to the Bermudas, and relates almost entirely to its lily culture.

Revue des Sciences Naturelles Appliquées. Bulletin Bimensuel de la Société Nationale d'Acclimatation de France. Paris. 8°.

LIS (Le) des Bermudes. 37^e année, 1890. Vol. 37 (no. 14, Juillet, 1890, 2^e semestre), p. 723-724. 1 illustration. A^s (703)

NOTE.—Attributed to *Garden and Field*. There is a full-page view of a lily field.

Revue Maritime et Coloniale. Ministre de la Marine et des Colonies. Paris. 8°.

AVALLÉ, E. Législation et Administration des Colonies Anglaises. Possessions de l'Amérique du Nord. Vol. 6 ([no. 2, 3, Octobre et Novembre, 1862.]), p. 236-268, 499-527. Y^A (704)

NOTE.—Section 9. — *Les Bermudes* (p. 525-527) gives a geographical description and historical resumé of the islands, followed by an account of their government, courts, commerce, duties, navigation, and finances. "En 1824, un établissement pénitencier a été créé aux Bermudes." — p. 526.

Revue Scientifique de la France et de l'Etranger.

Revue des cours scientifiques. Paris. 4°.

R[AYET], G. Les Bermudes. D'après M. Wyville Thompson [*sic*]. 2^e série, 7^e année. Vol. 14 — tome 21 de la collection (no. 1, Juin, 1878), p. 1132-1136. Y^A (705)

NOTE.—This seems to be a summary of THOMSON's description of the Bermudas given in his *Voyage of the "Challenger."* *The Atlantic*.

Bermuda in Periodical Literature.

Romme, Ch. Tableaux des Vents, des Marées et des Courans qui ont été observés sur toutes les Mers du Globe. Paris, 1806. 8°. W^L (706)

NOTE.—A paragraph is given to Bermuda on p. 55. See also p. 316.

Royal Gazette. Bermuda Commercial and General Advertiser and Recorder. Hamilton, Bermuda. folio.

VERRILL, Addison Emory. Destructive Scale Insects, or Bark-lice in Bermuda, and their Remedies. December 16, 1902, p. 2, col. 3, 4. (707)

NOTE.—“Extracted from advance sheets of a work now in press entitled ‘The Bermuda Islands: their Scenery, Climate, Productions, Physiography, Natural History, and Geology; with Sketches of their Early History and the Changes due to Man.’ 36 plates, and 250 cuts in text.” “The species [of scale insects] found in Bermuda, as far as known, are all found also in the United States.” The following are especially noticed:—*Icerya Purchasi*, the Purple Scale and Fluted Scale (*Icerya*). Explicit instructions are given for their destruction.

VERRILL, Addison Emory. Three Destructive Scale Insects of the Orange and Lemon Trees in Bermuda. December 16, 1902, p. 2, col. 4, 5. (708)

NOTE.—“The three following species of scale insects appear to have been those chiefly responsible for the destruction of the orange trees in Bermuda:—*Cottony Cushion-scale*; *Fluted Scale*, (*Icerya Purchasi* Maskell.) . . . *Purple Scale*, (*Mytilaspis citricola* Pack.) . . . *Orange Chionaspis*, (*Chionaspis citri*). In a letter from J. B. Heyle, published in *Insect Life*, vol. iv., p. 267, 1892, he states that the scale-insects of the orange were introduced by a cargo of infected oranges from a ship in distress, that put into Bermuda in 1858 or 1859.” An editorial note upon the above articles appears on p. 2, col. 1, 2, of the same issue.

WILTSHIRE, Frank. [Letter on Insect Pests.] December 20, 1902, p. 2, col. 2. (709)

NOTE.—This letter gives directions for destroying the cutworm moth and the insect that injures soft-skinned fruits.

VERRILL, Addison Emory. The Peach Fly in Bermuda. January 3, 1903, p. 2, col. 5. (710)

NOTE.—An extract from the advance sheets of the author's *Bermuda Islands*. Peaches were cultivated in abundance in Bermuda until about 1864. Diseases and insects then succeeded in ruining the trees. The worst enemy is the peach-fly or peach-maggot (*Ceratitis capitata* Wied., as *Trypeta*). The writer gives a history of this pest in the Bermudas, and suggests remedies. An editorial note on this extract is given in column two of the same page.

VERRILL, Addison Emory. To restore the Orange Trees. (A letter to the editor.) January 20, 1903, p. 2, col. 3. (711)

NOTE.—In addition to remedies suggested by Professor Verrill in the number of the *Royal Gazette* for December 16, 1902, he here recommends grafting near the base of wild or half wild native orange trees, care being taken to select scions free from scales and to destroy all such as may exist on the trunk. The editor notices this communication in column one of the same page.

Bermuda in Periodical Literature.

VERRILL, Addison Emory. Governor Wm. Reid; His Unpublished Correspondence with Mr. Wm. C. Redfield, in the Library of Yale University. March 21, 1903, p. 2, col. 3, 4. (712)

NOTE.—This correspondence covers an uninterrupted period of more than ten years from 1838, and extended over the entire term of Governor Reid's residence in Bermuda. It treats of a great variety of subjects; that mentioned in this article covers the period from April 13, 1839, to April 11, 1845. An editorial note concerning it appears in the first column of the same page.

Royal Geographical Society of London. Journal. London. 8°.

SCHOMBURGCK, Robert H. Remarks on the Heavy Swell along some of the West-India Islands, commonly called "Groung" or "North Sea"; and on the Set and Velocity of the Tides, . . . among the Virgin Islands. Vol. 5 (part 1, 1835), p. 23-38.

Y^m (713)

NOTE.—Speaking of the tides at the Virgin Islands the author says they do not amount to more than two feet, being at spring tides 26 to 36 inches, and at neap tides 16 to 18 inches, showing how little tide there is in the Atlantic near the equator. "The accumulation of water in consequence of the trade-winds and the equatorial current, may in some respects prevent a higher elevation; and accordingly we find that beyond these latitudes the tide rises to a greater height, even where the range of coast is not so extensive, as from 8 to 10 feet at the Canaries,—from 4 to 6 at the Cape Verde Islands,—and from 5 to 6 at the Bermudas."—p. 33, 34.

Royal Geographical Society of London. Proceedings. London. 8°.

BELCHER, Sir E. T. [Remarks on Coral Islands; an abstract.] Vol. 4 (no. 3, 1860), p. 85. Y^c (714)

NOTE.—These remarks were called forth by those of Mr. J. Beete Jukes on the same subject. "He [the author] believed Mr. Jukes was quite right as to the depression of the coral, but he did not believe that the main land had ever shrunk an inch. He formed that opinion in 1825, after three years' constant examination of the Bermuda reefs."

MAURY, Captain Matthew Fontaine. [Remarks on J. A. Mann's paper on "Ocean Currents on the North-East Coast of South America."] Vol. 7 (no. 2, 1863), p. 51. Y^c (715)

NOTE.—Speaking of the Gulf-stream, Captain Maury said:—"Mr. Mann, in his interesting and philosophical paper, set out with a remark that is perfectly correct, and which every physical geographer who has attempted the study of the ocean has no doubt felt to be painfully true,—that these currents were most capricious things; they not only sometimes cease to run, but they occasionally turn and run backwards. The Gulf-stream is one of the most marked and interesting phenomena of the sea. When he [Captain Maury] was at Bermuda, on his way to England from South Carolina, he had the pleasure of meeting there the officers of some of Her Majesty's ships who had been cruising on the North American Station for several years. One of them told him, as corroborative of what Mr. Mann had said, that he had found the Gulf-

Royal Geographical Society of London. (*Continued.*)

stream, on his passage from Halifax to Bermuda, actually running to the southward and westward. It struck him as being very singular. The temperature of the water was all right, but his reckoning was all wrong. So when he went back he thought he would try it again, taking care to verify his instruments. Singularly enough, he found the Gulf-stream not running in its usual course, but running backwards. That the Gulf-stream is this capricious thing of creation needed no other evidence than the singularly mild winter we are now enjoying in Great Britain. In studying ocean currents, we have to look at what they do in the long run, because there are many exceptional cases."

CARPENTER, William B. Further Inquiries on Oceanic Circulation. Vol. 18 (no. 4, August 17th, 1874), p. 301-407. 4 plates and 7 diagrams. Y^c (716)

NOTE.—In the section devoted to the "'Challenger' Temperature Survey of the Atlantic" (p. 354-362), which the author characterizes as "the most important single contribution ever made to Terrestrial Physics," reference is frequently made to the Bermudas. Soundings near or "in the immediate neighborhood of the Bermuda group" were found at between 2,800 and 2,900 fathoms (16,800 to 17,400 feet), from which it seems that they "rest on a column nearly three miles high, rising from a very small base. There is strong reason to regard this column as a coral formation, commenced when the present deep bottom was near the surface, and kept up to it by progressive growth as the bottom gradually subsided." p. 356. Plate I. gives three sections showing the outlines of the bed of the North Atlantic Ocean, as follows:—No. II., St. Thomas to Bermuda; No. III., Bermuda to Halifax; No. IV., Bermuda to New York.

Royal Geographical Society of London. Proceedings and Monthly Record of Geography. New Monthly Series. London. 8°.

LEFROY, *Lieut.-General Sir John Henry*. Memorials of the Discovery and Early Settlement of the Bermudas, or Somers Islands, 1511-1687, compiled from the Colonial Records and other Original Sources. Vol. 1, whole no. vol. 23 (no. 6, June, 1879), p. 406. Y^c (717)

NOTE.—Book notice of the completion of the work, Vol. I., having been published in 1877.

BERMUDAS (THE). The Historie of the Bermudaes or Summer Islands. Edited from a MS. in the Sloane Collection, British Museum, by General Sir J. Henry Lefroy. Vol. 4, whole no. vol. 26 (no. 9, September, 1882), p. 577, 578. Y^c (718)

NOTE.—Book notice of vol. 65 of the publications of the Hakluyt Society. This MS. was for the first time printed under the editorship of Lefroy, who erroneously ascribes it to Captain John Smith. Later investigations prove conclusively that it was written by Gov. Nathaniel Butler, and not by Smith. See entry under Hakluyt Society Publications.

LEFROY, *Sir John Henry*. [President's Address. Geographical Section of the British Association; Montreal, August 28, 1880.] Vol. 6, whole no. vol. 28 (no. 10, October, 1884), p. 583-597. Y^c (719)

Bermuda in Periodical Literature.

NOTE.—In section 3 (pp. 584–585) of his address he cites numerous writers to prove the theory of elevation and subsidence. Speaking of Bermuda, he says: “Any of my hearers who may have visited Bermuda are aware that so gently has that island subsided that great hangings of stalactites, unbroken, may be found dipping many feet into the sea, or at all events, into salt-water pools standing at the same level, and we have no reason to suppose the sinking to have come to an end.” p. 585.

HEILPRIN, Angelo. The Bermuda Islands: a Contribution to the Physical History and Zoology of the Somers Archipelago. Vol. 12, whole no. vol. 34 (no. 4, April, 1890), p. 248. Y^c (720)

NOTE.—Book notice: “The main purpose of Dr. Heilprin’s visit to the Bermudas was the study of coral reefs, and his volume may be regarded as an important contribution to the physical geography and geology of the islands. Much of the space is also devoted to the results of investigation into the natural history of the Bermudas. Dr. Heilprin’s observations confirm those made by the *Challenger* expedition as to the æolian or wind-drift character of the Bermuda Islands; this, he states, is everywhere apparent.”

MONACO, Albert, *Prince of*. “A New Chart of the Currents of the North Atlantic” and “Meteorological Observations in the Atlantic Ocean”; Two Papers, in full abstract, with Remarks by Dr. A. Buchan. Vol. 9, whole no. vol. 36 (no. 9, September, 1892), p. 619–625. Y^c (721)

NOTE.—During the years 1885, 1886, and 1887, the Prince of Monaco launched, at intervals, in four different parts of the Atlantic, over 1,600 floats for the purpose of determining the superficial currents of the Atlantic Ocean. Four of these were picked up at the Bermudas. From the data secured by the recovery of 227 of these floats was constructed his “New Chart of the Currents of the North Atlantic.” The Bermudas are referred to several times in the course of this paper (pp. 619–622).

In the second paper (pp. 622–624) Bermuda is recommended, together with the Azores, Canaries, and Cape Verde Islands, as a suitable place for the location of a meteorological observatory, fully equipped, from which warnings of approaching storms could be sent to the west coasts of Europe.

Royal Geographical Society of London. Geographical Journal including the Proceedings. London. 8°.

WEST INDIES. Glimpses of Life in Bermuda and the Tropics. By Margaret Newton. Vol. 10 (no. 10, August, 1897), p. 231. Y^c (722)

NOTE.—Book notice: “The authoress gives a pleasant account of an agreeable holiday spent in sketching in Bermuda and the West Indies, most of the islands of which, lying on the mail-route, were visited. A selection of clever pen-and-ink sketches illustrates the book.”

Royal Microscopical Society. Journal. London. 8°.

CLARK, H. L. Bermuda Echinoderms. Year 1899 (pt. 4, August, 1899), p. 397–398. P^a (723)

NOTE.—A notice of his paper upon this subject: “Mr. H. L. Clark reports on a collection of eleven species. One of the two Asteroids (*Asterias tenuispina* = *A.*

Royal Microscopical Society. (Continued.)

atlantica) is remarkable for the great variation in its arms, which may number 4, 5, 6, 7, or 9. In regard to the species of *Stichopus*, of which three are recognized, it is noted that specific differences cannot be recognized in this genus with any accuracy, except in living specimens, and that coloration is so variable that it is almost useless as a standard in classification. The tendency to violet color among Bermuda echinoderms is alluded to."

Royal Society of Edinburgh. Proceedings. Edinburgh. 8°.

HOME, David Milne. Notice of a large Calcareous Stalagmite brought from the Island of Bermuda in the year 1819, and now in the College of Edinburgh. Vol. 5 (no. 67, 1864-65), p. 423-428. A^s (724)

NOTE.—This paper was read April 3, 1865. The stalagmite was carried to Edinburgh by Admiral Sir David Milne, among other curiosities from the Bermudas, and presented to the Museum.

HERDMAN, William Abbott. Preliminary Report on the Tunicata of the "Challenger" Expedition. (By permission of the Lords Commissioners of the Treasury.) Vol. 10 (no. 106, 1879-80), p. 458-472 and (no. 107, 1879-80), p. 714-726. Y^c (725)

NOTE.—Part I. was read March 1st, 1880, and Part II. July 19th, 1880. Three species from Bermuda are given in these papers: *Ascidia nigra* Savigny, p. 466; *Ecteinascidia*, n. gen. *turbinata*, n. sp., p. 724; *Clavelina oblonga*, n. sp., p. 724-725.

MURRAY, John. On the Structure and Origin of Coral Reefs and Islands. Vol. 10 (no. 107, 1879-80), p. 505-518. Y^c (726)

NOTE.—There are two references made to Bermuda, as follows:—"Complete little Serpula-atolls, with lagoons from 3 to 50 feet in diameter, and formed in this way without subsidence, were numerous along the shores of Bermuda (p. 512 note)." "Microscopic sections of a rock taken from fifty feet below sea level at Bermuda show that a deposition of carbonate of lime is going on. The small shells are filled with, and the broken pieces of shells and corals are cemented by, calcite. The wells in coral islands rise and fall with the tide, so that the whole atoll is filled like a sponge with sea water. This water is very slowly interchanged, and by the solution of the smaller and thinner particles becomes saturated, and a deposition of lime follows. In this way we may explain the absence of many of the more delicate shells from some limestones."—p. 503. Reprinted in *Nature*, vol. 22 (August 12, 1880), pp. 351-355. The above quotations occur on p. 353.

HOYLE, William Evans. Preliminary Report of the Cephalopoda collected during the Cruise of H. M. S. "Challenger." Part I. The Octopoda. (Published by permission of the Lords Commissioners of the Treasury.) Vol. 13 (no. 119, 1884-85), p. 94-114. 2 woodcuts. Y^c (727)

NOTE.—This paper was read February 16, 1885. The following species from Bermuda is given: *Octopus bermudensis* Hoyle [n. sp.] p. 103-104.

Bermuda in Periodical Literature.

Royal Society. Philosophical Transactions. London.
sm. 4^o.

WHALE-FISHING. Of the New American Whale-fishing about the Bermudas. Vol. 1 (numb. 1, Munday, March 6, 1664-5), p. 11-13. W^L (728)

NOTE.—The earliest article upon Bermuda to be found in any periodical publication.

FURTHER RELATION, A, of the Whale-fishing about the Bermudas, and on the Coast of New England and New Netherland. Vol. 1 (num. 8, Munday, January 8, 1665-6), p. 132-133. Y^A (729)

NORWOOD, Richard. An Extract of a Letter, written from the Bermudas, giving an account of the Courfe of the Tides there; of Wells both falt and sweet, digg'd near the Sea; of the Whale-fishing there practifed anew, and of fuch Whales as have Spermi Ceti in them. This Letter was written June 18, 1667, by that intelligent Gentleman Mr. Richard Norwood, living upon the place. . . . Vol. 2 (numb. 30, Monday, December 9, 1667), p. 565-567. W^L (730)

NOTE.—This letter was reprinted by LEFROY in his *Memorials*, vol. 2, pp. 253-254. The Royal Society, first incorporated in 1662, in 1666 sent out questions respecting parts of the world which were then little known. Several of them related to Bermuda. Norwood's letter was in answer to "Q. 13. Whether round about the Coast of the Bermudas, the Tydes keep the same time, and at what a clock precisely 'tis High Water on the Dayes of Full and New Moons; and how high the Water rises then?"—Vol. 2, pp. 420-421.

STAFFORD, Richard. An Extract of a Letter, written to the Publifher from the Bermudas by Mr. Richard Stafford; concerning the Tydes there, as alfo Whales, Sperma Ceti, ftrange Spiders-Webbs, fome rare Vegetables, and the Longevity of the Inhabitants. Vol. 3 (numb. 40, Monday, Octob. 19, 1668), p. 792-795. W^L (731)

NOTE.—Reprinted in LEFROY's *Memorials*, vol. 2, pp. 263-266. Stafford, in addition to answering the same question as Norwood, also answered "7. Whether there be in the Bermudas a Polson-weed, like our Ivy, whose leaves do by the touch cause Blisters. And a Reed, whose juyce or infusion causeth Vomit? 9. To give a particular account of the Spider in the Bermudas, said to be large and beautiful for its colours; weaving a Web betwixt several Trees, which is affirmed to be for substance and colour like perfect raw silk; so strong, that Birds like Snites [snipes], are shared [snared] therein." Volumes 1-3 of the Philosophical Transactions are continuously pagged: vol. 1, pp. 1-408; vol. 2, pp. 409-628; vol. 3, pp. 629-689.

Royal Society. Philosophical Transactions; abridged.
Fourth Edition. London, 1731. 4^o. W^L (732)

NOTE.—In this edition, edited by John Lowthrop, the subjects are much condensed, in some cases occupying but a few lines, and are "disposed under general heads." The articles given above may be found as follows:—

Bermuda in Periodical Literature.

Royal Society. (*Continued.*)

- Whales and Whale-Fishing about the Bermudas, by —
(no. 1, pp. 11-13 above), vol. 2, pp. 842, 843; and (no. 8,
pp. 132-133 above), vol. 2, pp. 843-845.
Norwood, Richard. Tides at Bermudas (no. 30, pp. 565-
567 above), vol. 2, p. 268.
Stafford, Richard. Tides, etc., at Bermuda (no. 40, pp.
792-793 above), vol. 2, p. 268 and p. 845.

Royal Society. Philosophical Transactions; abridged.
Fifth Edition. London, 1749. 4°. Y^A (733)

- NOTE.—Edited by John Lowthrop.
Whales and Whale-Fishing about Bermudas, vol. 2, pp.
846-848.
Norwood, Richard. Tides at Bermuda, vol. 3, p. 561.
Stafford, Richard. Tides, etc., at Bermuda, vol. 3, p. 561,
and vol. 2, pp. 848-849.

Royal Society. Philosophical Transactions; abridged.
London, 1809. 4°. A^B (734)

- NOTE.—Edited by Hutton, Shaw, and Pearson.
Whales and Whale-Fishing about Bermudas, vol. 1, pp.
6-7, 46.
Norwood, Richard. Tides at Bermuda, vol. 1, pp. 206-207.
Stafford, Richard. Tides, etc., at Bermuda, vol. 1, pp.
283-284.

Royal Society. Proceedings. London. 8°.

- MOSELEY, Henry Nottridge. Preliminary Report, on
the True Corals dredged by H. M. S. 'Challenger'
in deep water between the dates Dec. 30th, 1870, and
August 31st, 1875. Vol. 24 (no. 170, 1876), p. 544-569.
1 woodcut. Y^O (735)

NOTE.—"Published by permission of the Lords of the
Admiralty. Received February 14, 1876. Read March 16."
Among the species dredged in depths of 50 fathoms and
upwards, near Bermuda, were the following:—*Caryo-*
phyllia formosa Pourt., 4th April, 1873, east of Bermuda,
in 435 fathoms, p. 545; *Deltocanthus Agassizii* Pourt.,
19th April, 1873, off Bermuda, in 200 fathoms—(in the
sounding-machine), 29th May, 1873, off the Bermudas,
in 1075 fathoms, pp. 546, 551; *Madracis Hellana*
Valenciennes in M.-Edw. & H., 4th April, 1873, east of
Bermuda, in 435 fathoms, p. 547; *Cladocora arbuscula*
M.-Edw. & H., 4th of April, 1873, east of Bermuda, in
435 fathoms, p. 548; *Fungia symmetrica* Pourt., 22d
April, 1873, southwest bank, off Bermudas, 30 fathoms—
29th May, 1873, southwest of Bermudas, in 1075 fathoms,
pp. 562-563. In a list of corals dredged from less than
50 fathoms, but of especial interest, is one from Ber-
mudas; *Madracis asperula* M.-Edw. & H., 22d April,
1873, southwest bank, off Bermudas, in 30 fathoms, pp.
549, 563.

- WILLEMÖES-SUHM, Rudolf von. Preliminary Report,
on Observations made during the Earlier Part of the
Voyage of H. M. S. 'Challenger.' Vol. 24 (1876),
p. 569-583. Y^O (736)

NOTE.—"Published by permission of the Lords of the
Admiralty. Received February 14, 1876. Read March 16."
The report on "The Islands of the Atlantic" fills pp.
580-584. "Numerous excursions were made in Bermudas,
partly inland, when I tried to catch as many insects as
possible on the beach, where the shallow-water animals
were secured by wading. Hungry Bay was my chief
place of resort. Here the forest approaches the beach,
and afforded opportunities for collecting of all kinds.

Bermuda in Periodical Literature.

There mangrove-trees were growing in large swamps, crowded with a *Grapsus* which ascended these trees; and under the stones which covered the muddy ground I found plenty of land-crabs belonging to different genera of the Telpusidæ. When looking for these I discovered a land-Nemertean, being the first one found in the western hemisphere (the only animal of this kind having been found by Semper in the Philippines). This species was described and figured in the 'Annals and Magazine of Natural History' for 1874 [xiii, p. 409], under the name *Tetrastemma agricola*."

"In Bermudas we also made frequent excursions in the steam-launch, which enabled me to get specimens of a *Nebalia* which I had noticed before among Crustacea collected by Mr. Murray. This species (*N. longipes*), which I have worked out and described in the 'Transactions of the Linnean Society,' is remarkable in many ways, as its legs are far less 'phyllapodal' than in the other species known before, and, as in the male of this American *Nebalia*, it is the first and not the second antenna (*N. Geoffroyi*) which has been enlarged and transformed into a prehensile organ."—p. 580.

Royal United Service Institution. Journal. London. 8°.

DAVIS, Captain J. E. Extract from a Paper read at the "British Association for the Advancement of Science," at Bradford, on "The Scientific Voyage of the Challenger." Vol. 17 (no. 75, 1873), p. 828-835.

Y^c (737)

NOTE.—This extract gives an account of the *Challenger's* cruise up to the time she reached the Cape Verde Islands. Referring to Bermuda the author says:—"The several deep soundings taken around Bermuda prove it to be a peak on which the coral animals have built the islands; and from the fact of there being considerable magnetic disturbance at different stations on the islands, it may be inferred that, unlike the coral formations of the Pacific, there has been no subsidence of the mountain. There are two or three other peaks similar to that of Bermuda, for instance the Sainthill and Milne banks, one with 100 fathoms, the other with 80 fathoms on it. These are well authenticated soundings, and had the peaks been a few fathoms nearer the surface, doubtless we should have had two islands similar to Bermuda."—pp. 832, 833.

Rymer, Thomas. Fœdera, Literæ, et Cujuscunque Generis Acta Publica, inter Reges Angliæ, Et Alios quofvis Imperatores, etc. Londini. folio.

JAMES I. A Proclamation for the utter Prohibiting the Importation and Use of all Tobacco which is not of the Growth of the Collonyes of Virginia and the Sommer Iflands or one of them. Tomus XVII, Editio secunda (1727), p. 668-672. W^L (738)

NOTE.—A marginal note reads as follows:—"A. D. 1625. Pat. 22. J. 1. p. 4. n. 2." The proclamation closes thus: "Witnes our felfe at *Theobalds* the second Day of Marche. *Per ipsū Regem*."—p. 672.

St. James' Magazine and United Empire Review. London. 8°.

VISITOR, A. Bermuda. Second series, vol. 11, whole no. vol. 32 (no. 6, December, 1873), p. 692-700 and vol. 12, whole no. vol. 33 (no. 1, January, 1874), p. 20-28. Y^M (739)

Bermuda in Periodical Literature.

St. James' Magazine, etc. (*Continued.*)

NOTE.—A general historical and descriptive sketch of the islands. Among other topics noted are the visit and reception of Prince Alfred, May, 1861; yellow fever epidemics; migratory and native birds; hurricanes, waterspouts, and the aurora borealis; water and water-tanks; geology; and the marine railway built at St. George's in 1864. A reference to the disadvantages of certain articles of feminine apparel, much in fashion at the time the article was written, is tersely made in the following extract:—"At a certain picnic, however, a certain young lady who was determined to explore all the mysteries of the cavern [Walsingham], overcame difficulties by leaving her crinoline on a tree outside, and after she had paid her visit, she resumed 'the cage.'"—p. 25.

RESIDENT, A. The Bermudas. Vol. 37; whole no. vol. 46 (no. 5, May, 1880), p. 385-392. Y^m (740)

NOTE.—The writer was ordered to Bermuda, and was so pleased with the islands that he left them with regret. Besides the usual topics he writes of Bermuda as a military station and of military life as carried on there.

St. Nicholas. New York. 8°.

SAWYER, Philip Brett. An Anglo-American alliance. Vol. 29 (no. 4, February, 1902), p. 291-298. 4 illustrations. (741)

NOTE.—A story of the adventures of two American boys in Bermuda. Robert and Christopher Belcher bribe Gunner Pouting to take them into Fort St. Catherine. The gunner is discovered and arrested, but the boys escape. They are taken to the Governor-General's, by their uncle, the next morning, and at their request the gunner is pardoned.

BRISTOL, Charles Lawrence. The Castle Garden Aquarium. Vol. 29 (no. 8, June, 1902), p. 680-684. 8 illustrations. (742)

NOTE.—Professor Bristol describes many of the brilliantly colored fish of the Bermudas, all of which and many more may be seen at the Aquarium in Battery Park.

Sanitarian, The. A monthly journal. New York. 8°.

BERMUDAS, The. *Anon.* Vol. 1 ([no. 9], December, 1873), p. 393-401. Y^a (743)

NOTE.—Gives the location of the islands and tells how they may be reached; with notes upon their temperature, healthfulness, vegetation, and products; towns, hotels, and recreations.

"BERMUDA in winter—a Word to Invalids." *Anon.* Vol. 2 ([no. 3], June, 1874), p. 113-115. Y^a (744)

NOTE.—This is a reply to an article, with the above title, which appeared in *The Sower and Gospel Field*, calling in question the correctness of the statements made in the article in the *Sanitarian* for December, 1873.

Science. A weekly journal devoted to the advancement of science. New York. 8°.

BUSH, Katharine J. "Synopsis of the Recent and Tertiary Septonacea of North America and the West Indies. . . . By William H. Dall, etc. [a review]. New series, vol. 10 (no. 243, August 25, 1899), p. 249-251. Y^c (745)

Bermuda in Periodical Literature.

NOTE.—Speaking of the *Lasæa rubra* Montagne, quoted by Dall, from Bermuda, the reviewer says it was found there abundantly by Professor Verrill and his party in 1898. A comparison with specimens from Guernsey convinces Miss Brush that the Bermuda specimen is a distinct species to which she assigns the name *Lasæa Bermudensis*, sp. nov.

WATTE, F. C. Bufo Agua in the Bermudas. New series, vol. 13 (no. 322, March 1, 1901), p. 342-343.

Y^c (746)

NOTE.—Also issued separately (4 pp.). This is the only amphibian (*Bufo aqua* Daudin) in the islands. It was introduced, about 1885, by Captain Nathaniel Vesey of Devonshire parish, with a view of using this toad to catch garden insects. About two dozen were imported from Demerara; they were let loose and thrived from the first. HEILPRIN'S *Bermudas* (1889), p. 84, reported a few in swamps. It is now common throughout the islands. "*Bufo aqua* is the largest living Anuran known. The largest specimen I have seen from Bermuda was collected by the New York University Expedition of 1898, and is now in the Zoological Museum at Columbia University. It measures 155 mm. (6 1-8 inches) from snout to vent, and weighs 900 gm. after having been two years in a four per cent solution of formalin."—p. 342.

BRISTOL, Charles Lawrence. On the Color-patterns of Certain Bermuda Fishes. New series, vol. 17 (no. 430, March 27, 1903), p. 492.

Y^c (747)

NOTE.—A brief abstract of a paper presented at the meeting of the American Morphological Society, held at Washington December, 1902. The same paper was subsequently presented at the March meeting of the New York Academy of Sciences (*Science*, no. 431, April 3, 1903, p. 545). The paper embodies the results of six seasons' observations while the writer was collecting living fishes for the New York Aquarium, and "deals with correlations between habits and appearance with reference to warning and protective coloration of these fishes."

MAYER, A. G. A Tropical Marine Laboratory for research. New series, vol. 17 (no. 434, April 24, 1903), p. 655-660.

Y^c (748)

NOTE.—The writer in a previous number of this periodical (no. 424, February 13, 1903, p. 246) advocated the Tortugas as a suitable place for a biological station in preference to the West Indies, the Bahamas, and Bermudas on the ground of the purity of the water and the richness of its fauna. In this article are presented letters from various scientists, giving the locations which they prefer. Of sixteen, "seven favored localities other than the Tortugas. Four of these preferred the Antilles (Jamaica, being specified by two), two the Gulf coast of the United States, and one (Professor A. E. Verrill) the Bermudas. All of the seven have been upon expeditions to the tropical Atlantic."—p. 656. Professor Verrill prefers Bermuda because of his familiarity with that locality. He adds: "Perhaps the social conditions, also, are superior in Bermuda. There would be no lack of materials in either place, and a biological station in either place would be of great value to the progress of science."—p. 659.

BIOLOGICAL STATION at Bermuda, A. New series, vol. 17 (no. 435, May 1, 1903), p. 714, 715.

Y^c (749)

Bermuda in Periodical Literature.

Science. (*Continued.*)

NOTE.—The Bermuda Natural History Society in connection with Professor Edward Laurens Mark of the Harvard University Zoological Laboratory and Professor Charles Lawrence Bristol of New York University here announce the very favorable arrangements which have been made for the summer's work in botany and zoology. The Natural History Society has undertaken to provide "the necessary facilities for collecting, namely: a steam launch thirty to forty feet long with crew; a sail boat with fish-well and crew; three rowing boats, and a carriage with two horses capable of carrying ten or twelve persons. The well-known richness of the sub-tropical fauna and flora, the healthfulness and equable temperature of the islands, and the ease with which they may be reached combine to make the Bermudas a most attractive field for biological research."

Scientific American. An Illustrated Journal of Art, Science, and Mechanics. New York. folio.

GREAT FLOATING DOCK for Bermuda. Vol. 20 (no. 1, January 1, 1869), p. 7. Y^c (750)

NOTE.—Nearly a column, extracted from the *London Scientific Review*.

VOYAGE of the Floating Dock to Bermuda. Vol. 22 (no. 5, January 29, 1870), p. 75. Y^c (751)

NOTE.—This article, of over a column in length, was extracted from the *London Artizan*.

STEPSTONE, H. J. The New Bermuda Floating Dock. Vol. 86 (no. 14, April 5, 1903), p. 237-238. 1 *illustration*. Y^c (752)

NOTE.—This new floating dock, built to replace the famous old structure at Bermuda, claims the distinction of being the longest and heaviest dock thus far constructed. It was launched on the Tyne February 8, 1903. "The following are the principal dimensions of the dock: Length over all 545 feet. Breadth over all 126 feet 2 inches. Length of end pontoons 120 feet. Length of middle pontoon 300 feet. Breadth between walls 100 feet. Width of pontoons 96 feet. Height of vertical walls 53 feet 3 inches. Length of vertical walls 435 feet. Thickness of walls 13 feet 1 inch. Lifting power up to deck level 15,500 tons. Extreme lifting power 17,500 tons. Total weight of hull 6,500 tons. Although larger in size its extreme lifting power is not equal to that of the famous Algiers dock. This latter will raise a weight of 18,000 tons up to pontoon level, and by utilizing the pound its power can be increased to 20,000 tons, making it the most powerful dock in the world. The new dock was successfully towed across the Atlantic, and was moored at the dockyard on the day of King Edward's Coronation, August 9, 1902.

Scotch Naturalist, The: a Magazine of Natural History. Edinburgh and London. 8^o.

HAY, Colonel H. M. Drummond-. On Migration. Vol. 4 (1877-1878), p. 85-89, 133-144, 229-241, 283-292. P^A (753)

NOTE.—On pages 87 and 88 the writer gives his own observations, as well as those of others (Jones and Strafford) upon the appearance of the Greenland whale,

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Balena mysticetus, near the Bermudas in the last week of February or the beginning of March.

On pages 231-240 are given the observations of several ornithologists regarding the migration of birds which have been noted at the Bermudas. A diagram is given to illustrate a very remarkable occurrence which took place October 9, 1849, when many species of birds were driven upon the islands by a storm. The observations are given in the words of Mr. Hurdis.

Scottish Geographical Magazine, The. Edinburgh. 8°.

BERMUDAS, The. Vol. 13 (no. 7, July, 1897), p. 374-376.
A^s (754)

NOTE.—A summary of Professor J. J. Stevenson's paper on the Geology of Bermuda. "This group, called also the Somers Archipelago, has been investigated by many geologists and others, especially by Sir Wyville Thomson and Professors Rice, Heilprin, and Agassiz, who have expressed very different opinions regarding the geological changes it has undergone. Being puzzled by their want of agreement, Professor J. J. Stevenson visited the islands to form his own conclusions, which he has made known in the *Trans. of the New York Academy of Sciences*, vol. xvi."—p. 374.

This magazine contains other notices and information relating to the Bermudas:—Notice of *Lady BRASSEY'S In the Tropics*, etc., and "how she saw all the sights of Bermuda from Walsingham Cave to Massa Bertram's collection of Bermudian curiosities;" vol. 1, p. 75.—Notice of WALLACE'S *Lecture; Island Life*; March, 1886; vol. 2, p. 182-183.—"The Imperial Post-Office has issued an invitation for tenders for laying, maintaining, and working a telegraph cable between Halifax (Nova Scotia) and Bermuda in return for a subsidy to be granted by the Imperial Government;" vol. 4, p. 337.—Notice of HEILPRIN'S *Bermuda Islands*; vol. 7, p. 342.—LEFROY'S *Map*. A wall map in four sheets; vol. 7, p. 610.—Bermuda ocean currents according to the Prince of Monaco's map; vol. 8, p. 267.—MARKMAN'S paper on the *Limits between Geology and Physical Geography*; vol. 9, p. 633-639.—Bermuda as a coaling station; vol. 10, p. 236.—Telegraph to Bermuda; vol. 10, p. 238.—Bermuda soil; vol. 10, p. 488.—Notice of Margaret Newton; vol. 13, p. 553.

Senckenbergische Naturforschende Gesellschaft in Franckfurt am Mayn, Bericht über die. Franckfurt am Mayn. 8°.

REIN, J. J. Beiträge zur physikalischen Geographie der Bermuda-Inseln. Bericht von Juni, 1869, bis Juni, 1870 (August, 1870), p. 140-158. 1 map. P^A (755)

NOTE.—With sub-headings: "Quellen", p. 150, and "Höhlen," p. 151. The map measures 22 x 38.4 cm. (about 8 3/4 by 15 1/8 inches).

REIN, J. J. Ueber die Vegetations-Verhältnisse der Bermudas-Inseln. Jahr 1872, bis 1873 (Juli, 1873), p. 131-153. P^A (756)

NOTE.—The introductory matter occupies pages 131-144. Algen, p. 144-147. Nachtrag, p. 148-149.

A. Plantæ vasculares Bermudianæ (in which are given 128 species, arranged under 66 genera), p. 149-151.

B. Algæ Marinæ Bermudianæ (109 species, arranged under 21 genera), p. 151-153.

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Shipwrecks and Disasters at Sea. Edinburgh. 3 vols., 8°.

MAY, Henry. Shipwreck of Henry May, on the Bermuda Islands, 1593. Vol. 1, p. 72-80. W^L (757)

NOTE.—“The original account of this shipwreck, written by Henry May, one of the survivors, is contained in the third volume of Hakluyt's collection of voyages. It is not clearly explained what was the object of the enterprise, and the whole narrative is abrupt and perplexed.”—p. 72, *footnote*.

WRECK of the Sea Venture, an English Vessel on the Bermuda Islands, 1609. Vol. 1, p. 144-166. W^L (758)

NOTE.—“The original of this narrative is contained in the Fourth Volume of *Purchas's Pilgrimes*, p. 1734.”—p. 144, *footnote*.

Simmonds' Colonial Magazine and Foreign Miscellany.

Edited by P. L. Simmonds, Esq. London. 8°.

BERMUDAS, The. Vol. 1 (no. 2, February, 1844), p. 181-196. Y^A (759)

NOTE.—This article contains much valuable information upon a variety of topics, as follows: Defences, Channels, p. 181. Harbours, Discovery, Description, p. 182. Situation, Climate, Corals, p. 183. Temperature of the Sea, Healthfulness, Soil, p. 184. Agriculture, Fish, Political, and Ecclesiastical Institutions, p. 185, 186. Population, Military, Residents, Tonnage, p. 187. Museum, p. 188. Library, Churches, p. 189. Labourers, Immigration, p. 190. Agricultural Products, p. 191. Trade, p. 192. Imports and Exports, p. 193. Speech by Governor Reid on closing Sixth Session of the Island Legislature, p. 194-195. List of the Acts of the Legislature, 1843, p. 196.

See also pages 6-7 of the same volume for a short sketch of Bermuda. Intelligence from Bermuda; vol. 5 (July, 1845), p. 377-378. Imports and Exports from Bermuda in 1843-44; vol. 6 (September, 1845), p. 81-82.

Small, H. Beaumont. Botany of Bermuda. [Hamilton, Bermuda, 1900.] 16°. 56 pp. and cover-title. (760)

NOTE.—In the prefatory letter, donating the work to the Bermuda Board of Agriculture, the author says: “It contains the results of two years observations, and is, I think, as accurate as a work of this nature can be. I have avoided as far as possible the use of botanical terms, so as to make it comprehensible to every reader.” After first attempting to account for the origin of vegetable life on isolated islands he records the plants of the island under the following headings: *Indigenous*, *Semi-Indigenous*, *Weeds*, *Escapes*, and *Specially Imported Trees and Plants*. A list of 48 indigenous plants, besides grasses and ferns, is given on p. 7-8. This list is amplified on p. 11-21. Semi-indigenous plants to the number of 42 are given on p. 8-9 and amplified on p. 21-23. Weeds are similarly treated on p. 9-10 and 28-32; Escapes, p. 10 and p. 32-36; Plants specially introduced, p. 10-11 and p. 36-46. Ferns, with names and habitat, 27 species, p. 46-48. Medicinal plants, p. 51-53. Water plants, p. 53-56. Plants as a rule are entered under their popular, followed by their botanical names. The descriptions are popular rather than scientific in their character.

Smith, Buckingham, *editor*. Coleccion de varios documentos para la historia de la Florida y tierras adyacentes. Madrid. 4°.

CERREÑO, Bartholome. Mar Oceano. 1538. Descripcion de la isla Bermuda, y sus puertos, y de las



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islas y bajos circunvecinos, hecha por el Capitan Carreño, que por mandado de S. M. fué á su reconocimiento. Original en Sevilla; libro rotulado: Recaudos que binicron y resultaron de las Cartas de Sevilla, San Lúcar y Cadiz de los años de 1559 hasta 1562. Copia en el Deposito hidrografico, sacada por Navarrete. Tomo 1, p. 92-94. Y⁴ (761)

Smithsonian Institution. Annual Report. Washington. 8°.

BLAND, *Lieutenant*. List of Birds of Bermuda. Communicated by John R. Willis. Vol. for 1858 (1859), p. 286-289. J^r (762)

NOTE.— This is one of the first lists of Bermuda birds to be published. It enumerates 114 species, giving both technical and popular names. This volume may be found in the regular series of Congressional documents as: UNITED STATES— 35th Congress, 2d session— Senate. Misc. Doc. No. 49; or UNITED STATES— 35th Congress, 2d session— House. Misc. Doc. (Vol. 1) No. 57.

Smithsonian Institution. Smithsonian Contributions to Knowledge. Washington. 4°.

COFFIN, James H. Winds of the Northern Hemisphere. Vol. 6 (1854), article 6. vi+[5]+197+[1] pp. Bn¹ (763)

NOTE.— Various abstracts of observations taken at Hamilton, Bermuda (for 3 1-2 years) and at Ireland Island (for 4 months) are embodied in this work: list of stations, p. 20; abstract of observations, p. 72; mean direction of winds, p. 118; monthly directions and deflections, p. 155-156; force and velocity of winds, p. 174; effects of force and velocity—resultants compared, p. 184—differences of the resultants, p. 185. See also plates 5, 7, and 11.

Smithsonian Institution. Miscellaneous Collections. Washington. 8°.

GILL, Theodore. Catalogue of the Fishes of the East Coast of North America. Vol. 14 (no. 283). (764)

NOTE.— Also issued as a separate (iii, x 50 pp. and cover-title). This catalogue was prepared as an Appendix to UNITED STATES— Commissioner of Fish and Fisheries. Report for 1871-72 (Wash., 1873), and forms pages 779-822 of that report.

The following species are given as from Bermuda. No.

4. *Pterophryne levigata* (Cuv.) Gill—devil-fish. 9.

Balistes caprisceus Linn.—European tile-fish; turbot. 33.

Dactylopterus volitans (Linn.) Lac.—bat-fish. 38a.

Glyphidodon saxatilis (Linn.) Cuv. and Val.—cow-pilot. 40.

Acanthurus chirurgus Bloch and Schneider—doctor-fish. 41.

Holacanthus ciliaris Lac.—angel-fish. 44.

Oreocynnus alliteratus (Raf.) Gill—mackerel. 45.

Decapterus punctatus (Mitch.) Gill—round-robin. 45.

Trachurops crumenophthalmus (Bloch) Gill—goggles; goggle-eyed Jack. 45.

Paratractus pisquetos (Cuv. and Val.) Gill—Jack; buffalo Jack. 45.

Halatractus zonatus (Mitch.) Gill—bonito. 52.

Holocentrum sogho Bloch—squirrel. 55.

Pimelopterus bosci Lac.—bream. 57.

Hamulon quadrilineatum (Cuv. and Val.) Gill—Striped grunt. 57.

Lutjanus caxis (Bl. Schn.) Gill—velting; glass-eyed snapper. 68.

Sphyrna borealis DeKay—sennet. 81.

Megalops thrissoides (Bl. Sch.) Günther—tarpum.

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Sociedad Geográfica de Madrid. Boletín. Madrid. 8º.
FERNANDEZ-DURO, Cesáreo. Islas Bermudas. Vol. 8
(núm. 2º, Febrero, 1880), p. 146-171. Yº (765)

NOTE.—"Relación de la pérdida de la Vrcá *la Viga*, y el patache *el Galgo*, que viniendo navegando con la Armada Real de la guardia de la carrera de las Indias, el año de 1639, General el señor don Gerónimo Gomez de Sandoval, caballero de la Orden de Santiago, y del consejo de Guerra de S. M. vararon en la isla de la Bermuda, [etc.], Con licencia en Cadiz por Fernando Rey, año de 1640," p. 146. Carta Dedicatoria, p. 146-147. Tratase del Naufragio, p. 147-150. De como saltamos á tierra, p. 151-154. Tratase de buscar embarcacion y otras cosas, p. 154-158. De la compra de un Navio para ir a España, y algunas trianias, p. 158-161. De la description gobierno y moradores de la Bermuda, p. 162-171.

Société Belge de Géologie, de Paleontologie, et d'Hydrologie. Bulletin. 8º.

W., V. d. A.-E. Verrill.—La géologie des Bermudes. (The American Journal of Science, Nº. 53 de Mai, 1900, p. 313-340.) Vol. 14 (), p. 101-108? (766)

NOTE.—Gives the conclusions of Professor Verrill's paper, under 18 numbered headings.

Société de Géographie. Bulletin. Paris. 8º.

[DAUSSY, PIERRE?] Voyage dans l'Océan Atlantique Meridional Exécuted dans les annés 1828, 1829 et 1830 par le sloop *le Chanticleer* sous le commandement du capitaine Henri Foster. (Comté rendu par M. P. D.) 2e Série, Tome 3e (No. —, Février, 1835), p. 77-96. Yº (767)

NOTE.—One of the earliest, if not the earliest attempt to scientifically determine the latitude and longitude of Bermuda, was made during this voyage.

"La relation de ce voyage a été publiée à Londres en 1834 par M. Webster, chirurgien du bâtiment."—p. 77.

"Les observations du pendule qui avaient été faites pendant cette expedition furent soumises après la retour du bâtiment, à l'examen de M. Fr. Baily, président de la Société astronomique de Londres, et la rapport de ce savant forme le 7e volume des mémoires de cette Société."—p. 77, 78.

"Bermudes, fort Sainte-Catherine, île Saint-George. Latitude déterminée par des hauteurs circumméridiennes du soleil et d'étoiles, 32° 23' 13" N. Longitude, 39m 18s, 34 East de Barracoa, déclinaison de l'aiguille, 6° 59' E.; inclinaison, 65° 18s, 1 N."—p. 93.

"L'erreur de 27s que se trouve entre les deux déterminations de la différence de longitude de l'île Saint-George aux Bermudes, et du château San-Braz à Saint-Michel, serait réduite à 18s, en adoptant cette longitude de Fernando-Noronha."—p. 95.

"Bermudes (fort Sainte-Catherine), Latitude 32. 23. 13 N., Longitude de Greenwich 64. 37. 37., de Paris 66. 58. 1."—p. 96.

Société Entomologique de France. Annales. Paris. 8º.

SIMON, Eugène. Études Arachnologiques. 14e Memoire. XXI.—Materiaux pour servir à la Faune arachnologique des îles de l'Océan Atlantique.

Bermuda in Periodical Literature.

(Açores, Madère, Salvages, Canaries, Cap Vert, Sainte-Hélène et Bermudes.) Séance du Décembre, 1882. 6^e Série, Tome 3^e (Deuxième Trimestre, 31 Octobre, 1883), p. 259-314. 1 *plate*. Y^H (768)

NOTE.—The information concerning the Bermudas appears on page 307. "Sa faune paraît cependant tenir encore de celle des Açores et des Canaries, autant au moins qu'on en peut juger par le peu de renseignements qui ont été recueillis sur les Arachnides des Bermudes. . . . C'est encore à J. Blackwell que nous devons ces renseignements. L'auteur ne mentionne que six espèces : *Loxosceles rufescens* L. Duf. (sous le nom de *Scytodes pallida*); — *Epeira gracilipes* Blackw.; — *Xysticus* (?) *pallidus* Blackw. (sub *Thomisus*); — *Heteropoda venatoria* L. (sous le nom de *Olios antillanus* Walck.), espèce répandue dans les régions intertropicales du monde entier; — *Salticus diversus* Bl., Attide de genre incertain; — enfin *Filistata depressa* C., Koch, espèce américaine probablement synonyme de *F. capitata* Hentz.

"Nous avons vu dans les collections du Musée de Cambridge (Etats-Unis) un *Euscorpius carpathicus* L. identiquement semblable au type d'Europe, étiqueté, peut-être par suite d'une erreur, comme venant des Bermudes."—p. 307.

In the "Liste Générale" appear the following species from Bermuda:

No.	Family.	Species.
18.	<i>Attidæ</i> .	<i>Salticus diversus</i> Bl.—Berm.
37.	<i>Sparassidæ</i> .	<i>Heteropoda venatoria</i> L.—Berm., etc.
49.	<i>Thomisidæ</i> .	<i>Xysticus pallidus</i> Bl.—Berm.
64.	<i>Epeiridæ</i> .	<i>Epeira gracilipes</i> Bl.—Berm.
164.	<i>Filistatidæ</i> .	<i>Filistata depressa</i> C. Koch (?)—Berm. (Am.).
170.	<i>Ischnuridæ</i> . (?)	<i>Euscorpius carpathicus</i> L.—Berm. (Eur.).

South Carolina Historical Society. Collections. Charleston. 8^o.

SHAFTESBURY PAPERS (The) and Other Records relating to Carolina and the First Settlement on Ashley River prior to the year 1676. Prepared for Publication by Langdon Cheves, Esq. Vol. 5 (1897), 523 pp. Y^c (769)

NOTE.—There are numerous references in this volume to Bermuda. Consult index under the following: Bermudans; Bermudas; Bermuda sloop; Bond, Rev. Sampson; Somers, Sir George; Somers islands; and other headings.

Spectator, The. London. folio.

LANDSCAPE and literature. Vol. — (no. 3651, June 18, 1898), p. 855-856. Y^c (770)

NOTE.—"Shakspeare, Sir A. Geikie truly reminds us, introduced the Warwickshire landscape freely into his plays, so that in Bohemia, for instance, we feel that we are still watching Midland rustics amid familiar scenes in the 'bright Stratford meadows.' But whence came the vision of the enchanted island in *The Tempest*? It had no existence in Shakspeare's actual world, but was woven out of 'such stuff as dreams are made of.'"—p. 355.

Bermuda in Periodical Literature.

Spectator, The. (Continued.)

KIPLING, Rudyard. Landscape and literature. [To the Editor of the "Spectator."] Vol. — (no. 3653, July 2, 1898), p. 15-16. Y^c (771)

NOTE.—A reply to the question quoted above. "May I cite Malone's suggestion connecting the play [*The Tempest*] with the casting away of Sir George Somers on the island of Bermuda in 1609; and further may I be allowed to say how it seems to me possible that the vision was woven from the most prosaic material,—from nothing more promising, in fact, than the chatter of a half-tipsy sailor at a theatre?" The writer then goes on to show how the shipwrecked sailor may have narrated his story to a stage-manager. "Much, doubtless, he discarded, but so closely did he keep to his original informations that those who go to-day to a certain beach some two miles from Hamilton will find the stage set for Act II. Scene 2 of *The Tempest*,—a bare beach, with the wind singing through the scrub at the land's edge, a gap in the reefs wide enough for the passage of Stephano's butt of sack, and (these eyes have seen it) a cave in the coral within easy reach of the tide, whereto such a butt might be conveniently rolled ('My cellar is in a rock by the seaside where my wine is hid'). There is no other cave for some two miles. 'Here's neither bush nor shrub'; one is exposed to the wrath of 'yond same black cloud,' and here the currents strand wreckage. It was so well done that, after three hundred years, a stray tripper, and no Shakespeare scholar, recognized in a flash that old first set of all."—p. 15.

Spenser Society. Publications. [London.] folio.

TAYLOR, John, *The Water-Poet*. Works; Comprised in the Folio Edition of 1630. Vols. 2-4 (1869). Y^c (772)

NOTE.—In volume 2, p. 58-59, 63 (bottom paging 218-219, 223), appears: Odcombs Complaint; or, Coriats Funerall Epicedium: or Death-Song, vpon his late reported drowning. With his Epitaph in the Barmuda, and Vtopian tongues: And translated into English by IOHN TAYLOR. At the foot of the second column of p. 61 (221) is: "EPITAPH in the *Barmooda* tongue, which muſt be pronounced *with the accent of the grunting* of a hogge." This consists of six lines of unreadable matter, printed in gothic type, each word ending with the letters "ogh." On the next page, after the "Epitaph in the Vtopian tongue," follows: "The fame in English translated by Caleb Quifhquath, an *Vtopian borne* and principall Secretary to the great *Adelontado of Barmoodoes*.

"Here lies the wonder of the English Nation,
Inuolu'd in *Neptunes* briniſh vaffy maw:
For fruitleſſe trauell, and for ſtrange relation,
He paſt and repaſt all that e'r eye ſaw.
Odcomb produc'd him; many Nations fed him.
And worlds of Writers, through the world haue ſpred him."

Facsimiles of the engraved and printed title-pages of the original edition follow that of the reprint. The catalogue of the British Museum contains the title followed by the imprint: "Printed for merrie recreation, and are to be ſold at the ſalutation in Vtopia: [London,] 1613. 8."

A PLAINE
AND TRVE RELATION
OF THE GOODNES OF GOD
towards the Sommer Ilands, written
by way of exhortation, to stirre vp
the people there to
praise God.

VVHEREVNTO ARE
ADDED CERTAINE QUESTI-
ONS AND ANSWERS CONCER-
NING THE KEEPING HOLY OF THE
Saboth day, and publiske exercises of
*Religion, written in the Summer Ilands
for the benefit of the
people there.*

By LEVVES HUGHES Minister of
Gods word.



AT LONDON:
Printed by Edward All-de, dwelling neere Christs
Church. 1621.

TITLE-PAGE OF HUGHES' PLAINE AND TRVE RELATION OF THE GOODNES
OF GOD TOWARDS THE SOMMER ILANDS; LONDON, 1621. See No. 1337.

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Spry, W. J. J. The Cruise of Her Majesty's Ship "Challenger." Voyages over Many Seas, Scenes in Many Lands. London, 1876. xviii+388 pp., sm. 8°. 12 plates, 35 woodcuts, and 1 chart. Y^o (773)

NOTE.—The "Challenger" was at Bermuda from April 3 to 21, and from May 28 to June 12, 1873 (p. 62-67; 75-79). The following subjects are noticed: Bermuda in sight; Soundings round the reefs, St. George's, The Narrows, Scenery; Reach the anchorage in Grassy Bay, The Naval Yard; Historical sketch of the Bermudas; Geological and Botanical researches; Leave Bermuda, Soundings; p. 62-67. Halifax to Bermuda; In the Camber, The Sand Glacier; The Caves; Leave Bermuda, Soundings round the Reefs; p. 75-79. Woodcut of the Camber and Floating Dock, p. 59. Oceanic sections (St. Thomas to Bermuda—Bermuda to New York—Halifax to Bermuda), plate facing p. 68.

—Same. Seventh and Cheaper Edition. London, 1878. xx+319 pp. 10 full-page illustrations, 36 woodcuts, 1 chart, and 1 folding map. Hⁿ (774)

NOTE.—Part relating to Bermuda, including woodcut and Oceanic sections, p. 40-42; 51-53.

Statistical Society of London. Journal. London. 8°. SIMMONDS, Peter Lund. Statistics of Newspapers in various countries. [Read before the Statistical Society of London, 21st June, 1841.] Vol. 4 (Part 2, July, 1841), p. 111-136. (775)

NOTE.—The following, on page 123, relates to our subject: "*Bermuda*.—Early in 1784, a printing-office was established in Bermuda, by J. Stockdale, brother to the late printer to the House of Commons, who in July of that year issued the first paper ever printed in Bermuda, entitled the *Bermuda Gazette*. It passed into various hands, and was continued for a long time. There are now two weekly papers issued here; and since Colonel Reid has been the governor of the island, they have contained many interesting reports and papers connected with The Theory of Storms."

Stevens, Benjamin Franklin, *Editor*. Facsimiles of Manuscripts in European Archives Relating to America; 1773-1783, with Descriptions, Editorial Notes, Collations, References, and Translations. London, November, 1889-February, 1898. 24 portfolios and 1 index vol. folio.

NOTE.—In the 2,107 documents here reproduced are 30 which relate directly or indirectly to Bermuda. Their titles are here given in chronological order, with number and page references.

BANCROFT, Dr. Edward. Narrative &c. (A). [Dr. Bancroft's Information of the Mission of Silas Deane to the French Court and his first Proceedings there.] (Copy of the original, 9 pages, in the Public Record Office. America and West Indies, Vol. 448, folio 257.) 1776, August 14; No. 890. Y^c (776)

NOTE.—"Mr. Deane having received his Instructions, and a proper Letter of Credence, or Certificate of his Appointment, sailed from Philadelphia towards the last of March, but the Vessel receiving some Damage, he was obliged to put back to the same Port, from whence

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Stevens, Benjamin Franklin, *Editor*. (Continued.)

he sailed again pretty early in April, (with an Escort of Rifle Men out of the River) for Bermudas, where he purchased a very swift sailing Sloop of that Island, & arrived in it, at Bourdeaux, early in the Month of June." — p. 2, 3.

BEAUMARCHAIS, Caron de. Extrait d'une Lettre de Bordeaux. In the hand of M. de Beaumarchais. (Original, 3 pages, in France. Archives des Affaires étrangères. Angleterre, vol. 517, folio 248.) 1776, August 24; No. 893. Yc (777)

NOTE. — "Il ny a ici que les 3 batimens dont je vous ai parlé Savoir. *L'Hirondelle* de la Bermude, Maitre Morgan, *La Lucrèce* de la Nouvelle Londres, Mtre Jacob Farly, chargé de cire et de castor," etc. — p. 1.

HOPKINS, *Brigadier in the French Service*. Mr. Hopkins (Brigadier in the French service) to the Comte de Vergennes, with Notes of his Intentions on his Arrival in America. (Original, 3 pages, in France. Archives des Affaires étrangères. Angleterre, vol. 518, folio 59.) 1776, September 9; No. 1352. Yc (778)

NOTE. — In the Notes, among other things, he says: — "de les engager de s'emparer de la Barmude, & d'envoyer le plustot en croisiers contra la flotte portugése venant de la Brasile." — p. 2.

DEANE, Silas. Plan communicated to Mr. Hopkins on the subject of his voyage to America. By Mr. Deane. (Original, 2 pages, in France. Archives des Affaires étrangères. Angleterre, vol. 518, folio 74.) 1776, about September 11; No. 1356. Yc (779)

NOTE. — "L'isle de Bermude, sur la quelle Mr. Hopkins touchera, merite toute son attention (on en donne les raisons ailleurs). Il est bon qu'il voye par lui même, Combien il est facile de fortifier Cette isle et de détruire de là tout le Commerce des Anglais dans les indes occidentales." — p. 2.

HOPKINS, *Brigadier*. Mr. Hopkins (Brigadier in the French service) to the Comte de Vergennes. (Original, 2 pages, in France. Archives des Affaires étrangères. Angleterre, vol. 518, folio 108.) 1776, September 14; No. 1360. Yc (780)

NOTE. — If furnished with 10,000 men and two strong merchant vessels, Hopkins proposed to sail to St. Domingo, and from there, via Havannah, to Carolina or even Philadelphia, which he hoped to reach by the end of January. He proceeds: — "... j'avoue qu'il y a des risques que peutetre Monseigneur vous avez des doutes mais les avantages qui proviendra de la reussite est si audefsus des risques que j'espere que on ne hesitera pas: avec ces moyennes en arrivant je deciderai j'espere le congres d'entreprendre la conquest de la Bermude & l'expedition contre les navires portugeses venant de la Brasile." — p. 2.

STORMONT, *Lord, Ambassador in Paris*. Lord Stormont to Lord Weymouth. Most Confidential. (Original, 4 pages, in London. Public Record Office. France vol. 544.) 1776, September 25; No. 1366. Yc (781)

NOTE. — "Mr. Cytus Deane who in some Companies calls himself a Native of Bermudas but who is well known

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here to be a North American and a Secret agent from the Congress is certainly in constant Intercourse with Beaumarchais who was lately not worth a Shilling but has now Millions at his Command." — p. 1, 2.

STORMONT, *Lord*. Lord Stormont to Lord Weymouth. Two Letters. Confidential and Most Confidential. (Originals, 9 pages, in London. Public Record Office. France, vol. 545.) 1776, December 18; No. 1393. Y^c (782)

NOTE. — The second of these letters gives an account of two vessels at Havre making ready to sail with munitions for St. Domingo. This is probably Hopkins' expedition given above. After describing the vessels and their officers, he proceeds: — "The Course these Vessels will steer is as yet uncertain Mr. Deane had a project that they should make for *Bermudas*. There is a Pilot there one *Peter* who has agreed on a Signal given to come out and conduct the Ships and shew them how to avoid our Cruizers. This Project of Deane's appeared too hazardous to the french naval officers who were consulted and will probably be laid aside." — p. 7, 8.

WENTWORTH, Paul. Paul Wentworth to William Eden. Paper concerning America. (Original, 11 pages, Autograph, signed P. W., in Auckland Manuscripts at King's College, Cambridge.) [1777] undated; No. 3. Y^c (783)

NOTE. — "The W Indias — have furnished many Corps for brave service — How many Islands are inhabited by the posterity of *Buccancers*. The Bermudas, the Bahamas, the Virgin Islands, Anguilla, besides the more orderly Governed Islands — The most hardy Seamen, good Soldiers for independent Companies, in the W India Gov^s, Floridas — Privateers — Bermudas does us more harm, than L'orient &c &c. It furnishes vast Quantys of Vessels Vegetables & live Stock for the W. India Marketts. Sir, a very little attention from our Governors to their Assemblies would induce Laws to Compel, if private feelings are not strong enough to induce, the Cultivation of such a portion of Land in provisions on each Estate or farm, as is best adapted to Soil & Climate — & to relieve their own wants & Government from the unreasonable Burthen of supplying them. Such a proceeding in our provident dutch gov^{ts} have enabled them to barter a superfluity in the same Climate, for our mony." — p. 8-10.

BEAUMARCHAIS, Caron de. [Caron de Beaumarchais] to the Comte de Vergennes. (Original, autograph letter, not signed, in France. Archives des Affaires étrangères. Angleterre, vol. 522, folio 15.) 1777 March 7; No. 1445. Y^c (784)

NOTE. — The writer gives an account of the state of affairs in America, followed by his own sending out of 5 ships and their sale. The last vessel, then loading, was named "Le Comte de Vergennes." Proceeding he says: — "Lui parti j'aurai en mer *l'amphitrite, l'amélie, le mercure, le marquis de la Chalotais, la Seine, la concorde*, Deux vaisseaux *Bermudiens* en attendant le reste, et *Le comte de vergennes* qui ne s'appelle ainsi que jusqu'à vos ordres." — p. 3.

DEANE, Silas. Silas Deane on behalf of himself and B. Franklin to the Count de Vergennes. (Original, 5 pages, A. L. S., in France. Archives des Affaires

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Stevens, Benjamin Franklin, *Editor*. (*Continued*.)

étrangères. États Unis, vol. 2, No. 71, folio 128. Copies in French, English, and Spanish in various places.) 1777, March 18; No. 659. Y^c (785)

NOTE.—The advantages offered to France, in addition to those already proposed, for continuing her aid to the United States, were:—“1st: That the Object of the War be to obtain for France satisfaction for the Injuries aforesaid, & for the United States the Establishment of their Independence with a reduction of the British Powers for the Security both of France & America, to which Ends it is proposed, that the Conquest of Canada Novascotia, Newfoundland, St. Johns, the Floridas, Bermuda, Bahama & all the West India Islands now in Possession of Brittain be attempted by the joint Force of France & the United States and in case of Success, half the Fishery of Newfoundland together with all the Sugar Islands shall thereafter appertain to France, the rest to the United States & the Trade between the Kings Dominion & the United States shall thenceforth be carried on by the Ships of said Dominions, & of the United States only.”—p. 2.

BEAUMARCHAIS, Caron de. [Caron de Beaumarchais] to the Comte de Vergennes. (Original, autograph letter, not signed, in France. Archives des Affaires étrangères. Angleterre, vol. 523, folio 345.) 1777, July 1; No. 1559. Y^c (786)

NOTE.—The writer gives the news of the ships sent out by him: the “Amphitrite, Marquis de la Chalotais,” and “Amelia.” Of the latter he writes:—“J’apprens aussi par des lettres du cap français du 18 mai que la cargaison de l’amelie heureusement arrivée en ce porte, en est déjà repartie, divisée sur plusieurs vaisseaux américains et Bermudiens, achetés pour mon couyste à St Domingues. Les officiers qui étaient au cap, Mr. sont aussi partis sur la goëlette la catherine expédiée sans artillerie; mais seulement avec une charge de cent Barriques de tafia [rum], pour le port de Dunkerque; ce qui met ces officiers à l’abri de tout danger, en passant à boston.”—p. 1, 2.

SMITH, Lieut.-Col. Edward. Lieut.-Col. Edward Smith. Memorandums [Information brought by Captain Hynson]. (Original, 4 pages, autograph signed, in Auckland Manuscripts at King’s College, Cambridge.) 1777, October 22; No. 278. Y^c (787)

NOTE.—“The Ports of Nantz St. Malors and Bourdour will altogether furnish a fleet of about sixteen to twenty sail of private adventurers, who will run down to the Latitude twenty three or twenty two, and having gott as far westward as the Island of Bermudas will then push for Virginia while the Convoy hawl up to the Northward & push for Boston Coast hoping to gett in safe by coming there in the depth of winter.”—p. 1, 2.

“All American Ships falling in with Bermudas Islands must stand for the West end and by their hoisting a Jack at the Maintop mast head. A Mr Tucker would send off [f] a boat and procuring them as required assistance would give them orders or satisfactory information.”—p. 4.

UNITED STATES—*Continental Congress*. Congress. Commission or Letter of Marque, in blank, but with the original signatures of the President and

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Secretary. Printed. (Original, broadside, in France. Archives des Affaires étrangères. États Unis, vol. 2, No. 143.) 1777, November 23; No. 1746. Y^c (788)

NOTE.—This commission authorized its recipient to fit out and man vessels in warlike manner and to take all ships carrying soldiers, arms, and any other contraband goods to the British armies, etc. But exception was made in favor of Bermudian and other vessels in the following parenthetical clause:—“(the Ships or Veffels, together with their Cargoes, belonging to any Inhabitant or Inhabitants of Bermuda, Providence and the Bahama Iflands, and fuch other Ships and Veffels bringing Persons with Intent to fettle and refide within any of the United States, or bringing Arms, Ammunition, or Warlike Stores to the faid States for the Ufe thereof, which faid Ships or Veffels you fhall fuffer to pafs unmolefted, the Commanders thereof permitting a peaceable Search and giving fatisfactory Information of the Contents of the Ladings and Defination of the Voyages only excepted.”) This document was signed by John Hancock, President, and Chas. Thomson, fecy.

WENTWORTH, Paul. Paul Wentworth to [William Eden]. A. L. S. decipherings in the hand of William Eden. (Original, 8 pages, in the Auckland Manuscripts at King's College, Cambridge.) 1778, January 10; No. 335. Y^c (789)

NOTE.—“At a moment fo Critical you will pardon me. Let me refresh your memory that all the Rivers of Virginia are large, deep, practicable to Ships of war, & Navigable a great way, & that all the plantations of any Note are on their Borders: fo are their Magazines at ttated fhipping places—the Inland Navigation furnishes therefore a great many fine, Expert Fellows—Negroes chiefly—for Marine fervice, & the Ifland of Bermudas could fpare at leaft, Whites and Blacks, 2000 Able feamen—besides the most Usefull Veffels for us, the most destructive against us.”—p. 5, 6.

[WENTWORTH, Paul.] [Paul Wentworth.] Intelligence from Mr Edwards with Abstract of the Treaties of Commerce and Alliance, signed 6 February 1778, between France and America. (Original, Incomplete, 12 pages—the 3^d sheet, containing pp. 9-12, wanting; in the hand of Paul Wentworth; in Auckland Manuscripts at King's College, Cambridge.) 1778, March 4; No. 1881. Y^c (790)

NOTE.—The abstract of the Treaty of Alliance contains this passage:—“That the principal object of it fhall be the Perfect & full Establishment of the Freedom, Sovereignty & Independence of the United States. By this Treaty His most Christian Majesty forever renounces the Pofeffion &c. of every part of the Continent of North America which by the Treaty of Paris belonged to G Britain, as well as of the Ifland of Bermudas (which if Conquered is to be added to the Confederation) and He Guaranties to the united states all their Present poffeffions & fuch other Territories as they fhall acquire in N. America from G Britain during the present war.”—p. 9, 10.

CLINTON, Sir Henry. General Sir Henry Clinton to Lord George Germain, N^o. 15. (Original, 3 pages, L. S., Public Record Office. America & West Indies, vol. 134, folio 217.) 1778, September 15; No. 1153. Y^c (791)

Bermuda in Periodical Literature.

Stevens, Benjamin Franklin, *Editor*. (*Continued*.)

NOTE.—“As the Three Regiments are arrived at Halifax. I hope that place is sufficiently reinforced. As soon therefore as the Admiral acquaints me that the Convoys are ready, I shall detach the Expedition under the Command of Major General Grant, send the 3000 Men to the Floridas, and a Battalion to Bermuda & the Bahama Islands, without some Movements in the Rebel Army, which seem to indicate an intention of an Expedition, and may possibly, as the French Fleet are now at Boston, point towards Halifax, should render it expedient to send an Additional Reinforcement for its Security, and thereby occasion the other Operations to be delayed for a time.”—p. 1, 2.

CARLISLE, *Earl of, and others*. His Majesty's Commissioners. Lord Carlisle, Sir H. Clinton, Wm. Eden to Lord George Germain. (Original, 8 pages, L. S., Public Record Office. America & West Indies, vol. 299, folio 289.) 1778, September 21; No. 1161. Y^c (792)

NOTE.—“Whether it falls within the Power and Policy of the British Government to pursue either of the last mentioned systems; or whether She will merely continue to keep Possession of the Floridas, Bahamas, Bermudas, Halifax, and be in sufficient Force in Canada to support the Indians in a War they will naturally be induced to carry on or whether She will determine to maintain also Rhode Island and this Port [New York], and with an Establishment here of ostensible and real Permanency to wait for contingencies; or lastly whether she will consider the whole struggle as desperate and hopeless, We shall not presume to conjecture.”—p. 3, 4.

CLINTON, *Sir Henry*. General Sir Henry Clinton to Lord George Germain, N^o. 20. (Original, 3 pages, L. S., in Public Record Office. America & West Indies, vol. 589.) 1778, October 8; No. 1175. Y^c (793)

NOTE.—In view of the reduction of his forces General Clinton asks to be permitted to resign his command. He says:—“I have had a still further drain upon me by the necessity of sending 700 Men to replace the Marines at Halifax, and 300 to Garrison Bermuda and the Bahama Islands. Were all the troops that remain with me, of the first Stamp, their Scanty Number would stifle any hope that might arise from the consideration of their Valour.”—p. 2.

CARLISLE, *Earl of, and others*. His Majesty's Commissioners. Lord Carlisle, Sir H. Clinton, Wm. Eden to Lord Germain, N^o. 21. (Original, 12 pages, L. S., in Public Record Office. America & West Indies, vol. 300, folio 103.) 1778, November 16; No. 1215. Y^c (794)

NOTE.—Referring to the Treaty of Alliance between France and America, the Commissioners, among other things, say:—“In Return the Rebel States guaranty to France all the French Possessions in America, all such farther Possessions as She may acquire of Great Britain during the War,—Bermudas and every Part of the Continent which may be conquered, to belong to the Rebel States.—The Island conquered in the West

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Indies to belong to France—but the Islands near to the Continent of America, Newfoundland, &c are to belong to the Party which may first conquer them.”—p. 9.

W., J. Extracts from several Letters from New York to Mr. Eden Rec^d April 11th & 13th. (Original, 4 pages, in Auckland Manuscripts at King's College, Cambridge.) 1779, February 28 to March 3; No. 1264.

Y^c (795)

NOTE.—The extract from the letter of J. W., 2d March, is in part as follows:—“We have a Report by Way of Bermudas, that Col. Campbell was at Port Royal on Beauforts Bay 10th ulto after defeating the Army under Lincoln, & there is a printed account in the Rebel Papers of an engagement with Lincoln in which *each* side is said to have lost 300 men.”—p. 4.

LAFAYETTE, *Marquis de*. Marquis de Lafayette to the [Comte de Vergennes]. (Original, 3 pages, in France. Archives des Affaires étrangères. États Unis, vol. VIII, N^o. 18, folio 47.) 1779, April 26; No. 1603.

Y^c (796)

NOTE.—Lafayette suggests the loan, by Sweden, to the United Colonies, of four ships of the line with half their crews, in the course of which he says:—“Mr. l'ambassadeur de Suede dit que les bâtimens seraient ici dans deux mois et demie, parconsequent en preparant le Reste de l'armement le tout pourvit être en mer au mois d'aoust et arriver à Rhode island, aux Bermudes ou partout ailleurs en Amerique dans le mois d'octobre qui est encore a [temps] beau.”—p. 2.

LAFAYETTE, *Marquis de*. Marquis de Lafayette to the Comte [de Vergennes]. (Original, 3 pages, A. L. S., in France. Archives des Affaires étrangères. États Unis, vol. IX, N^o. 2, folio 9.) 1779, July 3; No. 1607.

Y^c (797)

NOTE.—“On pourroit dans l'hiver donner aux americains la bermude et attendre aux isles ou à boston l'ouverture de la campagne. Rhodeisland Newyork ou la Canada pourvoient être notre but connu par le Congrès: le veritable et le plus important serait hallifax, pour lequel nous serions aidés par la Nouvelle Angleterre.”—p. 3.

LAFAYETTE, *Marquis de*. Marquis de Lafayette to the Comte [de Vergennes]. (Original, 15 pages, A. L. S., in France. Archives des Affaires étrangères. États Unis, vol. IX, N^o. 42, folio 154.) 1779, July 18; No. 1609.

Y^c (798)

NOTE.—“Si la prise des Bermudes ou telle expedition de ce genre etait jugée neceffaire, il ne serait pas impossible d'y employe le reste de l'hivie.”—p. 7.

“En admittant que Nous pussions retourner à Boston ou Rhodeisland au mois de Septembre, et que Newyork ne fut pas pris, il serait possible d'offrir encore nos secours au General Washington. d'ailleurs St. Augustin, le bermude, quelqu'autre point bon à attaquer, deviendrait l'objet de nos instructions.”—p. 12.

ARBUTHNOT, *Vice Admiral* Mariot. Vice Admiral Mariot Arbuthnot to General Sir Henry Clinton. (Original (Copy), 1 page, in Auckland Manuscripts at King's College, Cambridge.) 1779, October 22; No. 1020.

Y^c (799)

Bermuda in Periodical Literature.

Stevens, Benjamin Franklin, *Editor*. (*Continued.*)

NOTE.—“The first ships that I am in possession of to send to Bermuda. I shall not fail to leave orders with the Commanding Officer to escort the Troops that you may think proper for the defence of that important Island, which I hope will be in a few days.”—p. 1.

CLINTON, *Sir Henry*. General Sir Henry Clinton to Vice Admiral Mariot Arbuthnot. (Original (Copy), 1 page, in Auckland Manuscripts at King's College, Cambridge.) 1779, October 22; No. 1021. Y^c (800)

NOTE.—“Such reinforcement as can be spared shall be ready to go to Bermuda as soon as you signify your Intention of sending there.”—p. 1.

CLINTON, *Sir Henry*. General Sir Henry Clinton to [William Eden]. (Original, 5 pages, in Auckland Manuscripts at King's College, Cambridge.) [1779], 10 and 19 November; No. 1032. Y^c (801)

NOTE.—“I have sent an additional force to Bermuda that place is of the greatest consequence.”—p. 3.

LAFAYETTE, *Marquis de*. Marquis de Lafayette to the Comte [de Vergennes]. (Original, 4 pages, A. L. S., in France. Archives des Affaires étrangères. États Unis, vol. XI, No. 46, folio 163.) 1780, February 2; No. 1620. Y^c (802)

NOTE.—Written at Versailles. Speaking of his return to America, he says:—“Nous pouvons en passant toucher à la Bermude et y établir le parti de la liberté.”—p. 3.

UNITED STATES—*Continental Congress*. Captain William Pickles of the “Mercury.” Commission from Congress. (Original, printed broadside, in London. Public Record Office. America and West Indies, vol. 448, folio 374.) 1780, August 13; No. 930. Y^c (803)

NOTE.—Letter of Marque, excepting vessels and inhabitants of Bermuda. The form is similar, but not identical, with the foregoing, no. 1746. (Our No. 788.)

[ELLIOTT, Andrew, *Superintendent of the Port of New York*.] Paper of Intelligence transmitted by Mr. Elliot of New York [to William Eden?]. (Original, 3 pages, in the Auckland Manuscripts at King's College, Cambridge.) 1780, September 14; No. 735. Y^c (804)

NOTE.—“By a Spanish Packet taken and carried into Bermuda, bound from the Havanah to Spain, we find that a Revolt of the most serious nature has taken place in South America, that five of the Capital Provinces had already taken up Arms against the Spanish Government; that in the letters from the Governor of Lima and other Persons of distinction found upon the Passengers in the Packet and brought here, the temper of the People of the Country, & the situation of the affairs of Government throughout all South America threaten a total subversion of the Spanish Monarchy in that part of the World, they not daring to draw out the Army to oppose

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the Revolt, owing to the same spirit appearing among them, the Letters are translating here to be sent home, the Revolt is occasioned by some late oppressive Taxes on the People."—p. 1.

IDEAS that may be woven into a Plan tending to promote a happy Issue to the present critical State of Affairs in America as they regard Great Britain. (Original, 13 pages, in the Auckland Manuscripts at King's College, Cambridge.) No date; No. 565.

Y^o (805)

NOTE.—Among the sections relating to Bermuda are the following:—

"6. Supposing however that New-York should remain in Defection it is presumed that six Ships of the Line twelve Frigates six Sloops of War & thirtysix Bermudian cruising Sloops (remarkable for fast sailing & resisting the Sea Worm) with six thousand five hundred Seamen together with ten thousand Soldiers Artillery and Marines included would suffice."—p. 2, 3.

"7. The Bermudian Sloops would do the Businefs of thirty Frigates especially among the West India Islands and are maintainable at the Expense of six or eight."—p. 3.

"8. The Islands on the Coasts of North America should all be pofessed from Bermudas to Louisburgh once the Dunkirk of America & which so annoyed the Fisheries that New England made a very expensive Effort to reduce it."—p. 3.

"13. A String of Islands runs from the Cape of Delaware to Cape Hatteras & there are Headlands all along the Coasts. Cape Ann Cape Cod &c affording safe and useful Stations to complete the Links of this coercive chain from Louisburgh to Bermudas."—p. 4.

"29. The Whale Fishery should be attended to with additional Care both here and in America & as the Spermaceti Whales are caught in the Middle Latitudes (the New England Whales going not only among the W. I. Isles but even to Falkland Islands) Georgia East Florida Bermudas & the Bahama Islands already in the Habit of Fishing may be easily taught & induced to take Whales."—p. 8.

"31. Bermudas the Dutch of America living by cheap Carriage should be protected in Attempts to trade from one Province to another & they would at first be useful Carriers between Georgia, the Floridas & the W. I."—p. 8.

Story of the Empire [Series]; edited by Howard Angus Kennedy. London. 16^o.

KENNEDY, Arnold. *The Story of the West Indies.* [1899.] A^s (806)

NOTE.—"Bermuda: the First Island Colony"; with a small map, p. 50-56. "Its naval and military importance in modern times have procured for it such names as 'the Gibraltar of the Atlantic' and the 'Porter's Lodge of the United States.'"—p. 51.

Sun, The. New York. folio.

LITTLE Bit of Bermuda, A. Where Flowers thrive in Winter and Soft Breezes blow. Coral Caves That Serve for Bathing Houses for Those Who Would Swim in the Limpid Water—Stalactites and Stalag-

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Sun, The. (*Continued.*)

mites and Wonderful Angel Fish and Other Things. February 13, 1898 (ten-page section), p. 4, col. 7. (807)

NOTE.—The adventures of two women, during a six weeks' sojourn, in driving, bathing, and sailing, and of their return voyage on the *Trinidad* with Rudyard Kipling as a passenger. "Everything in this Arcadia is beautiful, either in form, color, or odor. On moonlight nights it is perhaps most perfect. . . ."

AQUARIUM'S OCTOPUS Dead. It Survives in Captivity Only Four Days—One Foot Short. July 22, 1900, p. 8, col. 6. (808)

NOTE.—This octopus, about three feet from tip to tip, was received from Bermuda and put on exhibition July 13, and died July 17. During this short period its marvelous power of changing its colors attracted much attention.

Thomson, Sir Charles Wyville. The Voyage of the 'Challenger.' The Atlantic. 'A Preliminary Account of the General Results of the Exploring Voyage of H. M. S. 'Challenger' during the Year 1873 and the Early Part of the year 1876. Published by Authority of the Lords Commissioners of the Admiralty. 2 vols., 8°. London, 1877. Vol. 1, xxx+ [ii] +424 pp.; Vol. 2, xiv+ [ii] +396 pp. 168 *woodcuts*, 8 *vignettes*, and 42 *maps* and *plates*. H² (809)

NOTE.—The "Challenger" was at or near Bermuda from April 2 to 24, and from May 28 to June 14, 1873. The account of this portion of its voyage is contained in parts of Chapters 4 and 5 of Volume 1, and the first few pages of Chapter 1 of Volume 2. The first (Chap. 4. Vol. 1) is entitled "The Gulf Stream," and contains much of interest to those interested in Bermuda.

The following topics relate to Bermuda: Vol. 1. Temperature and soundings, vol. 1, p. 288-289; Arrival at Bermuda, April 2, 1873, p. 289-290; History of the Islands, p. 290-296; Their General Appearance, p. 296-299; "Red" and "Blue" Birds, p. 299-300; The Corals which form the Reefs, p. 300-304; The Geology of Bermuda, p. 304-305; General Nelson's Description, p. 305-306; Aolian Rocks, p. 306-320; Calcareous Concretions simulating Fossils, p. 320-335; The Topography of the Islands, p. 335-340; Their Products, p. 340-344; Their Climate, p. 345-346; Their Vegetation, p. 346-347; Departure from the Bermudas, p. 358-359; Sounding and Dredging near the Islands, p. 359; The Gulf Stream, p. 360-401; Return to Bermuda, p. 401-404; Final Departure from Bermudas, June 13, 1873. Vol. II., p. 1-2; Temperature Soundings near the Islands, p. 2-3.

APPENDICES:—Vol. I. Chapter IV. (p. 253-357). A. Report from Professor Abel F. R. S., to H. E. General Lefroy, C. B., F. R. S., on the Character and Composition of Samples of Soil from Bermuda, p. 348-353. B. Abstract of Temperature Observations taken at Bermudas from the year 1855 to the year 1873, p. 354-357. Chapter V. A. Table of Serial Temperature—Soundings taken between St. Thomas, Bermudas, and Halifax, during the months of March, April, and May, 1873, p. 405. B. Table of the Bottom Temperatures between St. Thomas and Halifax, observed during the months of March, April, and May, 1873, p. 408. C. Specific Gravity Observations

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taken between St. Thomas, Bermudas, and Halifax during the Months, March, April, and May, 1873, p. 409. D. Table of Meteorological Observations made in Crossing and Recrossing the Gulf Stream, p. 410-424.
Vol. II. Chapter I. A. Table of Temperatures observed between Bermudas and Madeira, p. 58-60. B. Table of Specific Gravities observed between Bermudas and Madeira, p. 61.

PLATES:—Vol. I. VIII. The Track of the Ship between St. Thomas, Bermudas, and Halifax, p. 256. IX. Diagram of the Vertical Distribution of Temperature between St. Thomas and Halifax, p. 273. X. [Folding Chart of the] Bermudas. (Size 20.5 x 27.6 cm. Scale 1:1 cm.=1 Statute Mile. This chart gives the route of the *Challenger* to Bermudas, the surrounding reefs, and the locations of the soundings made inside and outside of them), p. 289. XI. Diagram of the Vertical Distribution of Temperature between Bermudas and Sandy Hook, p. 360. XII. Diagram showing the Surface Temperatures observed in Crossing and Recrossing the Gulf Stream, p. 365. XIII. Meteorological Observations for the Month of April, 1873 [at Bermudas], p. 365. XIV. Meteorological Observations for the month of May, 1873 [at Halifax and Bermudas], p. 371.

Vol. II. XV. The Track of the Ship from Bermudas to Madeira, p. 9. XVI. Diagram of the Vertical Distribution of Temperature between Bermudas and Madeira, p. 13. Contour Map of the Atlantic—From Soundings and Temperature Observations up to May, 1876, frontispiece to Vol. II.

WOODCUTS:—Vol. I. Curves constructed from Serial Temperature Soundings between St. Thomas and Bermudas, p. 286. Group of *Gru-gru* Palms on the Croquet-lawn, Mount Langton, p. 301. Stratified *Æolian* rocks, Bermudas, p. 309. "Sand-glacier" overwhelming a Garden, Elbow Bay, Bermudas, p. 301. Chimney of a Cottage which has been buried by a "Sand-glacier," p. 312. *Æolian* Limestone Beds in process of formation, showing Stratification, and the Remains of a Grove of Cedars which have been overwhelmed, Elbow Bay, Bermudas, p. 313. Section exposed in excavating the Bed for the Floating Dock, Ireland Island, Bermudas, p. 319. Entrance to the *Convolvulus* Cave, Walsingham, Bermudas, p. 325. Calcareous Concretion simulating a Fossil Palm Stem, Boaz Island, Bermudas, p. 330. Calcareous Concretion in *Æolian* Limestone, Bermudas, p. 331 and 332. Calcareous Concretions in *Æolian* Rock, Bermudas, p. 333 and 334. Cedar Avenue, Hamilton, Bermudas, p. 338. Natural Swamp-Vegetation, Bermudas, p. 341. Papaw-trees (*Carica papaya*), in the Garden at Clarence Hill, p. 344. *Æolian* Rock, Bermudas, p. 347. *Madracis asperula*, p. 360. Curves constructed from Serial Temperature-Soundings between Bermudas and Sandy Hook, p. 374. *Lefroyella decora*, Natural size, p. 493.

Vol. II. Diagram constructed from Serial Sounding, No. 59, p. 2.

THOMSON, Sir Charles Wyville. The Voyage of the 'Challenger,' etc. 2 vols., 8°. New York, 1878. (810)

NOTE.—The pagination varies from the English edition. The portion relating to the Bermudas may be found in this edition on pages 239-391 of Vol. I. and pages 11-10 of Vol. II.

Time. London. 8°

MITCHELL, E. T. The Bermuda or Somers Islands. New Series, Vol. 2; whole no., vol. 23 (no. 9, September, 1890), p. 933-943. (811)

Bermuda in Periodical Literature.

Times, The. London. folio.

[ADMIRAL WILKES and his Squadron at Bermuda; with an Extract from the Bermuda Gazette for 7th of October.] October 25, 1862, p. 7, col. 6. Y^L (812)

NOTE.—Admiral Wilkes arrived at Bermuda on the 26th of September with his flag-ship and two gunboats. He remained until the following Thursday, when he sailed with his flag-ship, leaving the two gunboats to cruise about in the waters outside.

HORA, Alexander. Yankee Blockade of the Island of Bermuda. [Letter] To the Editor of The Times.

October 27, 1862, p. 6, col. 3. Y^L (813)

NOTE.—This letter was dated at Liverpool, October 23. The writer states that the Island of Bermuda "has been strictly blockaded by a Federal squadron under Admiral Wilkes (the notorious Wilkes) since the 27th of September." An account of the actions of the squadron is given, up to the time of his leaving Bermuda, with his steamship the *Gladiator*, October 7th.

ATTEMPT to Launch the Bermuda Floating Dock.

September 3, 1868, p. 7, col. 7. Y^L (814)

NOTE.—An account is given of the unsuccessful attempt of the day before, to launch the dock, with a description of the dock and of dry docks in general. "A thousand men have been at work on it for two years, and more than three million rivets have been driven."

LAUNCH of the Bermuda Dry Dock. September 4, 1868, p. 10, col. 1. Y^L (815)

NOTE.—An account is given of the successful launching of the dock, the day before, and of the means employed for that purpose.

BERMUDA Floating Dock, The. September 5, 1868, p. 9, col. 6. Y^L (816)

NOTE.—This is an account of the towing of the dock from North Woolwich to Sheerness.

GARRISON of Bermuda, The. October 30, 1868, p. 10, col. 3. Y^L (817)

NOTE.—An extract from the *British Medical Journal* giving an account of the epidemic of typhoid fever in the 1st Battalion of the 15th Regiment. This Battalion arrived in Bermuda in April from New Brunswick and were encamped in a narrow valley on the South Shore, where they were put to work to construct a military road. The debilitating character of the climate, the exhausting labor, and the unsanitary condition into which the camp was permitted to fall were responsible for the epidemic which followed. Sunstroke, febricula, diarrhoea, and dysentery were the forerunners of the typhoid, which, but for the breaking up of the camp, would in all probability have been followed by yellow fever. The inhabitants, happily, escaped the horrors of the epidemic.

BERMUDA. January 26, 1871, p. 5, col. 5. Y^L (818)

NOTE.—An extract from the *New York Times* showing what the British are doing at Bermuda in fortifications, military roads, and dock yard and channel passes. It quotes a letter of Rear-admiral Lee of the flag-ship *Severn*, written at Bermuda to the Navy Department under date of December 6th.

UNPLEASANT Station, An. November 6, 1871, p. 4, col. 4. Y^L (819)

Bermuda in Periodical Literature.

NOTE.—An extract from the *Pall Mall Gazette* showing that Bermuda is not much in favor with the army. The sanitary state is said to be bad as shown by the Army Medical Report. The mortality among troops is shown to be greater than at any other station except China. Some improvements have been made in the barracks since 1869. The new batteries, the embrasures of which are protected by means of iron plates, are severely criticised.

BERMUDA Floating Dock, The. June 25, 1872, p. 9, col. 6. YL (820)

NOTE.—An extract from the Bermuda *Royal Gazette* of the 20th ultimo, giving a description of the docking of the man-of-war *Royal Alfred*, bearing the flag of Admiral Fanshaw. She weighed about 6,000 tons.

HURRICANE in Bermuda. September 10, 1878, p. 3, col. 5. YL (821)

NOTE.—“Hurricane in Bermuda. New York, Sept. 9. Intelligence has been received here stating that a severe hurricane, which did much damage to property, occurred in Bermuda on the 28th of August last.”

SAILORS' CLUB in Bermuda. May 1, 1880, p. 8, col. 5. YL (822)

NOTE.—“Sailors' Club in Bermuda.—During the stay of Her Majesty's Ship *Bacchante* at the Bermudas their Royal Highnesses Prince Edward and Prince George of Wales laid the foundation-stone of a new club for sailors and marines. The building itself is to cost £1,040 and is to be finished in eight months' time. About £2,000 will be needed to furnish it in a suitable manner.”

BERMUDA. September 9, 1880, p. 3, col. 6. YL (823)

NOTE.—“Bermuda. New York, Sept. 8. Intelligence from Bermuda published by the New York papers states that great damage was caused in Bermuda and the neighbouring islands by a hurricane on the 29th ult.”

BERMUDA. (From an Occasional Correspondent.) June 7, 1881, p. 4, col. 1, 2. YL (824)

NOTE.—A long communication treating of a variety of topics:—General ignorance about Bermuda—Various opinions of various people—Location—Size—Shape—Population—New York and Halifax Steamers—St. George's harbour—Colouring of land and wood and water—St. George's—Barracks—Channels—Dockyard—Produce—Hamilton—Hotels—Climate—Submarine gardens—Waller, Moore, and Shakespeare.

FOREIGNERS in Bermuda. December 11, 1890, p. 5, col. 5. YL (825)

NOTE.—“Foreigners in Bermuda. Halifax, Dec. 9. The Imperial Government refuses to allow foreigners to become naturalized in Bermuda and to own land there. A communication to the Legislature says that Her Majesty's Government does not deem it expedient to admit foreigners to the privilege of acquiring land in so small a colony, which has been converted at such vast expense into an Imperial fortress and coaling station, as the defences of the islands might be materially affected thereby. The Legislature has in consequence of this decision adopted a memorial to the Queen, saying that it is impossible to exaggerate the disastrous results of such a policy to Bermuda, and praying for a reversal of the decision showing the improbability of the safety of the fortress being jeopardized as a consequence of aliens becoming landowners.—*Reuter*.”

Bermuda in Periodical Literature.

Times, The. (*Continued.*)

MILITARY RIOTING in Bermuda. January 31, 1891,
p. 5, cols. 4, 5. Y^L (826)

NOTE.—An account of the rioting of the Leicester Regiment after it had learned of its being ordered to Halifax. Numerous acts of brutality are noted and also the acts of the Grenadier Guards in maintaining order. The rioting began January twenty-second.

MILITARY RIOTING in Bermuda. February 10, 1891,
p. 10, col. 3. Y^L (827)

NOTE.—Letter to the Editor, signed "One who was there;" with a cutting from a Halifax paper. It shows that the 1st Battalion of the Leicestershire Regiment did no rioting as alleged in the article of January 31st.

FIRST BATTALION Leicestershire Regiment in Bermuda, The. March 28, 1891, p. 8, col. 6. Y^L (828)

NOTE.—A letter from Governor Edward N. Newdegate, enclosing a copy of an Address, by the citizens of Bermuda, to Lieutenant-Colonel Rolph, expressing their high appreciation of the exemplary conduct of his regiment while stationed at Bermuda. The address is signed by the principal officers of the colony and some fifty others.

BERMUDA. June 2, 1891, p. 9, col. 4. Y^L (829)

NOTE.—Summary of the Annual Report of the Colonial Office. Gives trade statistics and announces the successful laying and operation of the Halifax and Bermuda cable.

STORM in Bermuda. August 29, 1891, p. 5, col. 6.

Y^L (830)

NOTE.—"Storm in the Bermudas. Halifax, August 28. A terrible storm has visited the Bermuda group, causing great damage to property. Walls have been levelled with the ground and trees uprooted by the violence of the wind, while telegraph service is quite demoralized. No such storm has visited the Bermudas since the year 1880."—*Reuter*.

STORM in Bermuda. September 22, 1891, p. 4, col. 2.

Y^L (331)

NOTE.—"Storm in Bermuda. Bermuda, September 21. A storm has been raging here since Sunday morning. The barometer to-day fell to 29.19. The centre of the storm is supposed to be moving northward 100 miles east of the island. Telephone and telegraph wires and trees have been greatly damaged."—*Dalziel*.

HURRICANE at Bermuda. October 21, 1891, p. 6, col. 1.

Y^L (832)

NOTE.—"Hurricane at Bermuda. Bermuda, October 20. During the hurricane of Sunday the Government despatch-boat Pioneer sank. The causeway at St. George was damaged, and about a thousand feet of the guard-wall was blown down. The repairs will cost £1,000. The young crops have suffered. The shipping stood the storm very well."—*Dalziel*.

NEW GOVERNOR of Bermuda, The. July 19, 1892, p.
5, col. 4, 5. Y^L (833)

NOTE.—An account of the ceremonies in connection with the oath of office administered to Lieutenant-General Lyons.

Bermuda in Periodical Literature.

BERMUDA. August 25, 1892, p. 11, col. 3. Y^L (834)

NOTE.— Trade and other statistics, taken from Governor Newdegate's Report for 1891.

BERMUDA. June 24, 1893, p. 9, col. 6. Y^L (835)

NOTE.— Summary of Governor Lyons' Report for 1892. The colony is coming more and more to be independent of agriculture. The Colonial Secretary is of the opinion that the Colonial Legislature acted wisely in appropriating £40,000 to improve the channels leading into Hamilton harbour. A better steamer is expected on the line from New York to Bermuda, making the trip in 45 hours instead of 70 as now.

BERMUDA. June 8, 1897, p. 7, col. 6. A^s (836)

NOTE.— A summary of the Colonial Secretary's Report. Bermuda has 10,000 acres, 2,500 of which are under cultivation. Five acres is considered a good farm.

BERMUDA. From our Special Correspondent. April 4, 1899, p. 11, cols. 1-3. A^s (837)

NOTE.— Contains remarks upon the island, its location, its geological structure, channels, temperature, products, soil, agricultural industries, lily culture, etc.; with Mr. Bishop's comments upon Bermuda as a winter resort.

BERMUDA. June 21, 1899, p. 5, col. 6. A^s (838)

NOTE.— A synopsis of the Colonial Secretary's Report for the preceding year.

CYCLONE in Bermuda. (Through Reuter's Agency.) September 14, 1899, p. 4, col. 3. A^s (839)

NOTE.— The worst cyclone since 1880. Losses very heavy; £10,000 being required to make good damage done to Causeway alone. Storm began at 2 P. M., September 13. Damage to Dockyard amounted to £100,000. The Government House, City Hall, Public Gardens, and hotels suffer severely.

CYCLONE in Bermuda. September 15, 1899, p. 4, col. 1. A^s (840)

NOTE.— Further details of the storm. Breakwater at Naval Yard seriously damaged. Nearly every building on Ireland Island suffered. Damage to Causeway not overestimated. Hundreds of houses had slates blown off roofs. Thousands of trees blown down. Telephone and telegraph wires damaged.

BISHOP, George A. Bermuda products. June 5, 1900, p. 9, col. 4. A^s (841)

NOTE.— A letter written at the Public Garden, Bermuda, May 10, by Mr. Bishop, Member of the Board of Agriculture, and Superintendent of the Botanic Station. This letter calls attention to the products of Bermuda with a view of attempting to introduce them into the English market. With Porto Rico and Cuba as American possessions, competition will tend to drive the Bermuda products out of the American market; especially as a duty of 1s. 1d. is charged upon every crate of onions shipped to America. The Bermudian farmer must realize a minimum return of 3s. 6d. a crate in order to be prosperous.

Bermuda subscribed between £1,400 and £1,500 for the War Fund, thus showing her patriotism. She subscribed several hundred pounds to the West Indian Hurricane Fund of 1898, and in September, 1899, did not ask a penny from any one to repair her own hurricane losses.

Bermuda in Periodical Literature.

Times, The. (Continued.)

BERMUDA. July 21, 1900, p. 15, col. 2. A^s (842)

NOTE.—A summary of the Colonial Secretary's Report for the preceding year, giving statistics of revenue, expenditures, imports, exports, and population.

BERMUDA for Boer Prisoners. May 25, 1901, p. 13, col. 1. A^s (843)

NOTE.—A detachment of Royal Engineers are under orders to leave the School of Military Engineering at Chatham, for Bermuda, there to superintend the condensing and distilling of water for the Boer prisoners. These processes have always been employed for the garrison and naval establishments in addition to the storage of rain water.

FIRING EXPERIMENTS at Bermuda, The. May 28, 1901, p. 8, col. 2. A^s (844)

NOTE.—A dispatch from New York, dated May 27, giving advices from Bermuda of the 18th inst. on the results of firing shells at the coast defense ship *Scorpion*, the shells being loaded with a new explosive. The quick-firing guns made great havoc, demonstrating that it would have been impossible for a crew to survive. The firing of the larger guns was not as effective.

BERMUDA. June 21, 1901, p. 4, col. 3. A^s (845)

NOTE.—A synopsis of the Colonial Secretary's Report, giving the usual statistics and making a comparison of the present state of the colony with that in 1850. In 1875 direct steam communication was established with New York. Soon after visitors began to spend the winter in Bermuda and the colony has since prospered.

	1850	1900
Revenue - - - - -	£40,124	£40,124
Expenditures - - - - -	£47,532	£47,532
Imports - - - - -	£130,541	£397,136
Exports - - - - -	£19,660	£93,769
Population - - - - -	11,092	16,645
Public Debt - - - - -		£49,000
Tonnage, Entering and Clearing	62,344	729,832
Winter Visitors - - - - -		3,000 a year

"At present Bermuda is prosperous in spite of the depression in agriculture and has a hopeful future."

BOER PRISONERS in Bermuda. August 3, 1901, p. 5, cols. 1, 2. A^s (846)

NOTE.—A dispatch from Bermuda announcing the arrival on August 2d, of the *Manila* having on board 607 Boer prisoners, 145 men of the Warwickshire Regiment, and 10 of the Royal Medical Corps.

BOER PRISONERS at Bermuda. September 16, 1901, p. 3, col. 4. A^s (847)

NOTE.—Dispatch, dated Bermuda, September 14, announcing the arrival of the *Montrose*, after a rough passage, with 932 Boer prisoners of war, 37 convicts, and 285 men of the Warwickshire Regiment. There were during the voyage, 74 cases of measles among the Boers, 10 cases of pneumonia, 5 of bronchitis, and 6 of senile decay.

BERMUDA and the War. November 23, 1901, p. 7, col. 2. A^s (848)

Bermuda in Periodical Literature.

NOTE.—Dispatch from Bermuda, dated November 22, containing an account of the entertainment given by the colonists to the officers of the 2d Battalion of the Warwickshire Regiment, which is stationed there as a guard over the Boer prisoners. A purse was subscribed by the colonists and it was requested that the regiment purchase a suitable piece of plate as a memorial of the occasion.

NEW Bermuda Floating Dock, The. February 10, 1902, p. 6, cols. 2, 3. A^s (849)

NOTE.—An account of the launching of the dock on Saturday, February 8, with a very full description of the dock itself. "The price of the dock launched on Saturday has been stated to be £230,000, of which £35,000 will represent the cost of transportation from the Tyne to Bermuda." The article closes with a comparison of the respective merits of floating docks and of stone graving docks, by Mr. W. Denton, one of the directors of the firm of Messrs. Swan and Hunter, builders of the new dock.

BOER PRISONERS of War in Bermuda. February 10, 1902, p. 10, col. 3. A^s (850)

NOTE.—Reuter's agent writes from Bermuda, January 25, that on January 16th the transport *Montrose* arrived with the sixth contingent of prisoners of war numbering 1,234. The Boers now number 4,300. Notwithstanding the reports of New York yellow journals the prisoners are well fed, supplied with all the clothing they require, and are in perfect health. The first contingent arrived June 28, 1901. There have been over 1,000 admissions to the hospital. There have been 13 deaths due mostly to constitutional ailments from which the patients were suffering before their arrival in Bermuda. Five hundred suits of clothing were returned to the Ordnance Store Department because the prisoners had no use for them. Sir George Barker, whose services have been greatly appreciated, has been voted a farewell address, something unique in the history of the colony.

BOER PRISONERS in Bermuda. March 10, 1902, p. 6, col. 2. A^s (851)

NOTE.—Reuter's correspondent at Hamilton, February 24th, writes: "Many men, realizing the inevitable results of the war, desire peace and have taken the oath of allegiance. As a result some irreconcilables on Hawkins Island attempted to drown them. They were rescued by the guard and the perpetrators are undergoing a period of discipline in the military prison at St. George's."

As a result of correspondence relating to aid for the Boer prisoners in Bermuda, Lord Pauncefoot has officially notified the State Department "that there has been no need for these appeals on behalf of these prisoners."

BOER PRISONERS in Bermuda. April 11, 1902, p. 4, col. 3. A^s (852)

NOTE.—Reuter's correspondent reports that since the arrival of the 4th Worcestershire Regiment, the troops have been redistributed on the islands where prisoners are quartered. It is proposed to quarter the boys with their fathers or other kinsmen on a separate island, where they will be required to go to school regularly, and will also have an opportunity to acquire technical knowledge in a school to be provided for that purpose.

NEW Bermuda Floating Dock, The. June 6, 1902, p. 8, col. 3. A^s (853)

NOTE.—This article gives an account of the successful docking of the line-of-battle ship *Sans Pareil* by the new

Bermuda in Periodical Literature.

Times, The. (Continued.)

Bermuda dock, in the lower reach of the Medway on the previous day. The *Sans Pareil* is 340 feet long and 70 feet wide, and has about 11,000 tons displacement. The new dock is to be towed to Bermuda by two tugs with a third as an attendant. The contractors had to go to Holland for the tugs as there were none of sufficient power under the British flag.

RELEASED PRISONERS in America [United States].

July 19, 1902, p. 7, col. 2. A^s (854)

NOTE.—The former Boer prisoners, now in New York, refuse to say anything against England. A party visited President Roosevelt at Oyster Bay. The New York Merchants' Association gave a luncheon to a number of Boer officers. Molloy, who went to Africa with a Red Cross ambulance and afterwards took up arms and was captured, made complaint to the State Department against the American consul, at Bermuda, Mr. Greene, for neglecting his interests. The complaint is not taken seriously.

BOER PRISONERS in Bermuda. August 6, 1902, p. 5, col. 6. A^s (855)

NOTE.—Reuter's correspondent, under date of July 26, says: With the exception of a few irreconcilables under foreign influences, the prisoners of war have taken the oath of allegiance or have subscribed the declaration of allegiance to the British Crown. "The men are delighted at the prospect of getting back to South Africa, and speak in high terms of the good faith that is being observed toward them by the Government."

Times, The. Philadelphia. folio.

BERMUDA women. There Are Fewer Married Women on the Little Island Than Elsewhere in the World.

March 28, 1898, p. 4, col. 4. (856)

NOTE.—"In Bermuda, as in England, property, especially real estate, remains in the same family for long periods, and some of the descendants of the first settlers still possess lands which have never passed out of their families."

Torino, Reale Accademie delle Scienze di. Mémoire. Torino. 4°.

DUCHASSAING DE FOMFRESSIN, P., and MICHELLOTTI, Jean. Supplément au Mémoire sur Les Coralliaires des Antilles. Lu dans le Séance du 3 mai 1863.

Serie Seconda, Tomo 23 (1866), p. 97-206. W² (857)

NOTE.—One species is described as from Bermuda: 197 (p. 162) *Oculina bermudiana* nobis, pl. ix, f. 1-2. "O, elata, solida, pedalis; ramis præcipuis 7 ad 9 lineas spissis; stellis parum prominulis lineam unam et dimidiam latis, distantibus, nempe 4 lineis inter se remotis; ramis tenuiter granulatis, prope calyces striatis; septis 24-26 granulatis, pallulis 12 crispis, columella e papillis efformata."

"Cette espèce diffère de l'*Oculina speciosa* de DANA par la hauteur qu'elle atteint, par le nombre plus petit des stries et des rameaux, enfin par ses calices plus éloignés les uns des autres."

Torrey Botanical Club. Bulletin. New York. 8°.

KEMP, J. F. Notes on the Winter Flora of Bermuda. Vol. 12 (no. 5, May, 1885), p. 45-48. Y^B (858)

Bermuda in Periodical Literature.

NOTE.—Reference is made to the botanical labors of others, particularly of "Mr. Oswald A. Reade, a pharmaceutical chemist, formerly stationed at the dock yard." The article closes with a list of about 60 plants which were collected, between March 8 and April 2, 1885, and deposited in the Herbarium of Columbia College, now at the New York Botanical Garden, at Bronx Park.

GILBERT, Benjamin D. Revision of the Bermuda Ferns. Vol. 25 (no. 12, December, 1898), p. 593-604.

Y^B (859)

NOTE.—There are two localities where the ferns are to be found, in "the marshes" and in "the caves," both of which are fully described. They are the haunts of the rarest and choicest ferns of the islands. These caves are principally in "the Walsingham tract." There are only 25 species and varieties of ferns in Bermuda each of which is enumerated, with the locality in which it grows.

Tour de Monde, Le. Nouveau Journal des Voyages
Publié sous la Direction de M. Edouard Charton. Paris,
Londres, et Leipzig. 4^o.

BERARD, A. de. Vue des Bermudes. Première Année,
Seconde Semestre, p. 64.

Y^e (860)

NOTE.—A woodcut view of Ireland Island, one of a number of illustrations of an article entitled: "Voyages aux Indes Occidentales, Par M. Anthony Trollope." The view seems somewhat imaginary, and was doubtless drawn from the artist's fancy.

United Service. A Monthly Review of Military and
Naval Affairs. Philadelphia. 8^o.

LOCKWOOD, J. A. Soldiering in Bermuda. New
Series, vol. 1, whole no. vol. 15 (no. 1, January,
1889), p. 78-84.

Y^M (861)

NOTE.—The writer was a lieutenant in the United States Army. Among the topics touched upon are: The Voyage; Climate; Showers; Onions; Lilies; Bananas; Lack of Snakes; Bermuda as a Fortification and Key to the North Atlantic Coast; Blockade Running; Powder furnished to the Revolutionary Army; Garrison; Native Coral Rock; Water Tanks; Battalion Drill at Camp Prospect; Bayonet Exercise; Signal Stations; Ship Channel; Coral Reefs; Private Soldier "off duty"; Marriage of Private Soldiers; Officers' Amusements; Trade and Money; and Nature's Gifts. He closes with the following acrostic:

"Rebus" of Dr. Graves-Irwin of the British Army:

"Balm of the ocean, frankincense of the sea,
Ever-dear island, I'm dreaming of thee.
Rummiest, chummiest, exquisite spot,
Mediumly chilly and mediumly hot.
Under no circumstances ever can be
Dearer or sweeter an island to me.
Addio! Vale! Sweet gem of the sea."

United Service Journal and Naval and Military Maga-
zine. London. 8^o.

B., R. J. Recollections of the Late American War.
By a Cruiser. [Signed] R. J. B. 1831, Part II.
[Vol. 10] (no. 31, June, 1831), p. 162-172.

Y^c (862)

Bermuda in Periodical Literature.

United Service Journal. (Continued.)

NOTE.—The writer arrived in Bermuda in the beginning of March, 1815, while the American frigate *President* was there, after her capture by the *Endymion*. He visited her and gives a description of the ship on pages 170-172.

Æ. Hydrographical Notices of Bermuda. 1832, Part III. [vol. 14] (no. 47, October, 1832), p. 267-269.
Y^c (863)

NOTE.—A notice of the "late Captain Hurd's" hydrographical work, and arguments against St. George's harbour being a suitable port of rendezvous for H. M. ships.

"The late Captain Hurd, Hydrographer to the Admiralty, with the most unwearied patience and industry, produced a Survey and Plan of the Bermudas, that reflected the greatest credit on his talents as a marine surveyor. The bent of original genius is here truly exemplified; and if this worthy officer had left no other traces of his skill and perseverance in the combined art and science, that chart alone would be sufficient to hand his name down to posterity among the few (comparatively speaking) who, in that honourable and useful line, have rendered especial service as well to their country as to the world at large.—The plan I speak of is of very large dimensions, and occupied, at the time I saw it, an entire room at the Hydrographical Office." A copy of Hurd's chart is in the Public Library at Hamilton. The Bermudas were especially fortunate in having two such competent surveyors as Norwood and Captain Hurd, each a genius in his line, to map out its land and waters.

WILKIE, *Lieutenant-Colonel*. Military View of Our Western Colonies. Bermuda—Cape Breton—Prince Edward's Island—Newfoundland—Conclusion. 1843, Part II. [vol. 46] (no. 176, July, 1843), p. 405-419.
Y^c (864)

NOTE.—The name of this periodical underwent several changes. In this volume it is called "Colburn's United Service Magazine and Naval and Military Journal." The part of this article relating to Bermuda occupies pages 407 to 409.

BERMUDA: a Colony, a Fortress, and a Prison; or, Eighteen Months in the Somers' Islands. By a Field Officer. 1857, Part I. [vol. 87] (no. 339, February, 1857), p. 267.
Y^c (865)

NOTE.—A critical notice of a book, having the above title. "This volume gives us much valuable information respecting the island, its produce, capabilities, and prospects; . . . The work is written in a light attractive style, and conveys a large amount of information in a pleasing form."

SAILOR'S WIFE, A. Life in Bermuda. New Series, vol. 10; vol. 116, old series; whole no., vol. 131 (no. 795, February, 1895), p. 506-520.
Y^m (866)

NOTE.—This writer calls attention to numerous topics: American tourists; Advantages of a sailor's state over the soldier's; Amusements; Hamilton; St. George's and Ireland Island; Commissioner's House; Harmony Row; Borrowing, etc.; Dock Yard Officers' Quarters; Boaz Island; Bundleman (blue jacket on leave); Somerset; Ferry between Boaz and Somerset Islands; Bungalows;

VIRGINIA'S God be Thanked,
^{O R}
A SERMON OF
THANKSGIVING
FOR THE HAPPIE
successe of the affayres in
VIRGINIA this last
yeare.

Preached by PATRICK COPLAND at
Bow-Church in *Cheapside*; before the Honorable
VIRGINIA COMPANY, on Thursday, the 18.
of April 1622. And now published by
*the Commandement of the said hono-
rable COMPANY.*

Hereunto are adjoyned some Epistles,
written first in Latine (and now Englished) in
the East Indies by *Peter Pope*, an Indian youth,
borne in the bay of Bengala, who was first taught
and converted by the said P. C. And after bap-
tized by Master *John Wood*, D^r in Divinitie,
in a famous Assembly before the Right
Worshipfull, the East India Company,
at S. Dun: in Fan-Church streete
in London, December 22,
1616.

LONDON
Printed by I. D. for William Sheffard and John Bellamie,
and are to be sold at his shop at the two Grey-
hounds in Corne-hill, neere the Royall
Exchange. 1622.

TITLE-PAGE OF COPLAND'S VIRGINIA'S GOD BE THANKED;
LONDON, 1622.

Refers to Sir George Somers's shipwreck. See No. 505.

Bermuda in Periodical Literature.

Gardens ; Housekeeping ; Servants ; The coloured Bermudians ; Cost of living ; Shops and shopping ; Delights of Bermuda ; Social duties ; Official calls ; Amusements ; Healthiness and Brilliant Skies.

United States—*Agriculture, Department of—Division of Vegetable Physiology and Pathology.* Bulletin. Washington. 8°.

WOODS, Albert F. The Bermuda Lily Disease: a Preliminary Report of Investigations. No. 14 (1897). 15 pp. and cover-title. 4 illustrations. — (867)

NOTE.—The characteristics of the disease are given with theories as to its cause. Preventative measures are suggested. The illustrations show healthy and diseased plants and the mites which infest them.

United States—*Continental Congress.* Journals. Washington. 8°.

REPORT of a Committee of the Whole on Several Petitions from the Island of Bermuda praying for Relief; made November 22, 1775. Vol. 1 (1823), p. 179-180. A^s (868)

NOTE.—There are other references to Bermuda in this volume, as follows: 1775, July 11. "An Address of Deputies from the Different Parishes of the Islands of Bermuda" was presented and read.—1775, September 13. "A Letter from the Deputies of the Several Districts in the Island of Bermuda, dated 12th of August" was read.—1776, June 5. The Master of the Sloop *Betsy and Ann* was allowed to export Provisions to Bermuda.—1776, July 24. Bermuda was excepted from Regulations respecting Enemies' Property.—1776, August 2. The Secret and Marine Committees were discharged from fitting out Vessels with Cargoes to Bermuda.

REPORT of the Committee to whom was re-committed the Memorial of Divers Inhabitants of the Islands of Bermuda for Relief; made May 7, 1779. Vol. 3 (1823), p. 269-270, 278-279. A^s (869)

NOTE.—Other references to Bermuda, in this volume, are as follows: May 18, 1779 it was resolved to recommend "to the Executive Powers of the States of Pennsylvania, Delaware, Maryland and Virginia, respectively, to permit 1,000 bushels of Indian Corn, to be exported from each of the said States for the Relief of the Distressed Inhabitants of those Islands."—1780, August 30. "William Murray, Master of the *Betsy and Nancy*, of Bermudas" was permitted to export Flour, Indian Corn, etc., for the Use of the Distressed Inhabitants of Bermuda.

United States—*Congress.* Documents. Washington. 8°.

GREAT BRITAIN—*Parliament* (July 1, 1812). An Act to allow British Plantation Sugar and Coffee, imported into Bermuda in British Ships, to be exported to the Territories of the United States of America in Foreign Ships or Vessels; and to permit Articles, the Production of the said United States, to be imported into the said Island in Foreign Ships or Vessels. United States—15th Congress, 1st session. House Document, vol. 8 (1818), no. 196. A^s (870)

Bermuda in Periodical Literature.

United States — Congress. (Continued.)

NOTE.— This Act applied, as first passed, only to the port of St. George. "By a subsequent act, the port of Hamilton is placed on the same situation as the port of St. George."— p. 4. This Act is also to be found in the *American State Papers. Foreign Relations* (Washington, 1834), vol. 4, p. 411.

MESSAGE from the President of the United States, in compliance with a Resolution of the Senate, in relation to the Seizure and Detention of the Brigs *Enterprise*, *Encomium*, and *Comet*. January 27, 1840. Read and ordered to be printed. United States—26th Congress, 1st session. Public Documents, vol. 3 (1840), no. 119. 11 pp. Y^c (870a)

NOTE.— The *Enterprise* "was forced by stress of weather into Port Hamilton Bermuda island,"— p. 4. The correspondence, of which this document is made up, relates entirely to the cases of the brigs *Encomium* and *Comet*. See also Senate Documents (same session), vol. 5, no. 248 and vol. 6, no. 378 (1 page each).

United States — Exploring Expedition. (Wilkes; 1838-42.) Report. Philadelphia. 4^o and folio.

DANA, James Dwight. Zoophytes. Vol. 7 (1846). [iv]+vi+[7]+740 pp. W^u (871)

NOTE.— The following species are ascribed to the Bermudas:— *Mussa fragilis*, Dana, p. 185-186; *Meandrina labyrinthica* Ellis, p. 256-257; *M. cerebriformis*, Lamarck, p. 263-264; and *Madrepora prolifera*, p. 712-719 (No. 11.). This volume bears the following imprint: "Printed by C. Sherman." We have seen another copy which reads: "Philadelphia: Lea and Blanchard. 1848."

DANA, James Dwight. Atlas. Zoophytes. C. Sherman, Printer, 1849. 12 pp. 61 colored plates. W^u (872)

NOTE.— Plates of species ascribed to the Bermudas, are as follows:— *Mussa fragilis*, Dana, plate 8, fig. 7, outline of lamellæ and transverse profile of trench; *Meandrina labyrinthica*, Ellis, plate 14, fig. 1, section of fossæ and profile of lamellæ; *M. cerebriformis*, Lamarck, plate 14, fig. 2, section of trenches and ridges, showing also profile of lamellæ.

United States — Fish and Fisheries, Commission of. Bulletin. Washington. roy. 8^o.

RATHBUN, Mary Jane. The Brachyura and Macrura of Porto Rico. 1900; Vol. 2, p. 1-127; Index to separate, p. 129-137. 2 plates. (873)

NOTE:— Also issued separately. The following species are mentioned as belonging to the Bermudas. BRACHYURA (The Crabs):— *Ocyropsis albicans* (Sand crab; Ghost crab), Bosc., p. 6; *Gecarcinus lateralis*, Freminville, p. 14; *Cardisoma guanhumi*, Latreille (Rankin), p. 15; *Goniopsis cruentata* (Mangrove crab), Latreille, p. 15-16, plate 1; *Geograpsus lividus* (Land crab), Milne Edwards (Verrill), p. 16; *Pachygrapsus transversus*, Gibbs, p. 17; P.

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gracilis, Saussure, p. 17; *Sesarma* (*Holometopus*) *ricordi*, Milne Edwards (Verrill), p. 18; *Cyclograpsus integer*, Milne Edwards, p. 18-19; *Plagusia depressa*, Fabricius (Verrill), p. 19; *Percnon planissimum*, Herbst (Verrill), p. 19; *Liomera dispar*, Stimpson, p. 25-26; *Platypodia spectabilis*, Herbst, p. 26; *Leptodius floridanus*, Gibbs, p. 27; *Xanthodius parvulus*, Fabricius (Verrill), p. 27; *Cycloxanthops denticulatus*, White, p. 27-28; *Eupanoëus herbstii*, Milne Edwards, p. 28; *E. occidentalis*, Saussure, p. 29; *E. bermudensis*, Benedict and Rathbun, p. 29; *Actæa setigera*, Milne Edwards, p. 34; *Eurytium limosum*, Say, p. 41-42; *Eriphia gonagra*, Fabricius, p. 42; *Portunus* (*Achelous*) *spinimanus*, Latreille (Rankin), p. 45; *P. (A.) depressifrons*, Stimpson, p. 45-46; *P. (A.) ordwayi*, Stimpson, p. 46; *P. (A.) sebae*, Milne Edwards, p. 46; *Callinectes ornatus* Ordway, p. 48; *Stenorynchus sagittarius* (Arrow crab; Arana del mar), Fabricius, p. 53; *Podochela riisei*, Stimpson, p. 54; *Chorinus heros*, Herbst, p. 61; *Mithrax acuticornis*, Stimpson, p. 66; *M. hispidus*, Herbst, p. 67; *M. depressus*, A. Milne Edwards, p. 66; *M. forcepts*, A. Milne Edwards, p. 70; *Microphrys bicornutus*, Latreille, p. 72; *Macrocaloma trispinosum*, Latreille, p. 74; *Callappa flammea*, Herbst, p. 84, plate 2.

MACRURA (The Shrimps and Lobsters).—*Scyllarides equinoctialis*, Lund (T. H. Bean, coll.), p. 97-98; *Panulirus argus*, Latreille, p. 98; *Stenopus hispidus*, Olivier, p. 99-100; *Penæus brasiliensis*, Latreille (C. M. Allen, coll.; Verrill), p. 100-101; *Parapenæus constrictus*, Stimpson (Smith), p. 101; *Sicyonia dorsalis*, Kingsley (Verrill), p. 103; *Processa canaliculata*, Leach (G. Brown Goode, coll.; also recorded by Rankin), p. 104; *Alpheus dentipes*, Guérin (G. B. Goode; Kingsley), p. 105-106; *A. formosus*, Gibbs (G. Brown Goode, coll.; also recorded by Verrill), p. 106; *A. heterochelis*, Say (G. Brown Goode, coll.), p. 107; *A. packardii*, Kingsley (Bate and U. S. Nat. Mus.), p. 107; *Synalpheus minus*, Say (Kingsley), p. 109-110; *S. lavimanus longicarpus*, Herrick (G. Brown Goode and George Hawes, coll.), p. 110; *S. neptunus*, Dana (G. Brown Goode, coll.), p. 110; *Latreutes ensiferus*, Milne Edwards (Common in floating Gulf weed in the North Atlantic), p. 114; *Periclimenes americanus*, Kingsley, p. 121; *Bithynis savignyi*, Bate (shallow water, Bate), p. 124-125; *Palæmon affinis*, Milne Edwards (Heilprin, Ortmann), p. 125; *Gnathophyllum americanum*, Guérin (G. B. Goode, coll.), p. 126-127.

EVERMANN, Barton Warren, and MARSH, Millard Caleb. The Fishes of Porto Rico. 1900; vol. 1, p. 49-350. 52 plates. (874)

NOTE.—Also issued as a separate. This monograph enumerates 20 species that are also found at the Bermudas: *Echidna catenata*, Bloch, p. 79; *Stolephorus charostomus*, Goode, p. 88; *Siphostoma jonesii*, Günther, p. 108; *Sphyræna barracuda*, Walbaum, p. 115-116, with illus.; *Epinephelus guttatus* (Red-hind), Linnæus, p. 153-154, plate 13; *Hamulon carbonarium*, Poey, p. 188-189; *H. flavolineatum* (Open-mouthed Grunt), Desmarest, p. 191-192; *Bathystoma striatum* (White Grunt), Linnæus, p. 193; *Eucinostomus pseudogula*, Poey, p. 205-206; *Ulema lefroyi*, Goode, p. 207; *Kyphosus sectatrix* (Bermuda Chub), Linnæus, p. 211-212, with illus.; *Lachnolaimus maximus* (Hog-fish), Walbaum, p. 230-231, with illus.; *Scarus croicensis*, Bloch, p. 244; *Holocanthus tricolor*, Bloch, p. 251-252, plate 36; *Angelichthys ciliaris* (Blue Angel-fish), Lin-

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United States — *Fish and Fisheries*. (Continued.)

næus, p. 252-253, plate 37; *Teuthis caruleus*, Bloch & Schneider, p. 253-254, plate 38; *Lactophrys triqueter* (Trunk-fish), Linnæus, p. 262-263, with illus.; *L. trigonus* (Common Trunk-fish), Linnæus, p. 263-264, with 2 illus.; *Canthigaster rostratus*, Bloch, p. 269-270; *Pteraster bermudensis*, Jones, p. 319.

United States — *Fish and Fisheries, Commission of*.

Report of the Commissioner. Washington. 8°.

VERRILL, Addison Emory. Report on the Cephalopods of the Northeastern Coast of America. Part I.—The Gigantic Squids (*Architeuthis*) and Their Allies; with Observations on Similar Large Species from Foreign Localities. Part II.—Monographic Revision of the Cephalopods of the Atlantic Coast from Cape Hatteras to Newfoundland. Part VII., Report for 1879 (Wash., 1882), p. 211-455. 46 plates. Y^c (875)

NOTE.—Also issued as a separate. Two species are described, both of which were collected by Goode, from the Bermudas. The first, "a specimen which was obtained at Bermuda, by Mr. G. Brown Goode, now belongs to the museum of Wesleyan University, Middletown, Conn. Mr. Goode informs me that it was picked up on the north shore of the island, in December, 1876, and that it was regarded by the inhabitants as a novelty or great rarity, and was noticed as such in the local newspapers," p. 321 [111]. The specimen above referred to is here named *Sthenoteuthis pteropus* Verrill, and is described on p. 317-321 [107-111], and is figured in Plates 7, fig. 2, 2a and 17, figs. 3-9. The second species *Septoteuthis sepioides* D'Orb., a specimen of which was also collected by Goode, is described on p. 373-375 [163-165], but is unfigured. The paging in brackets refers to that of the separate.

United States — *Geological Survey*. (J. W. Powell, Director.) Bulletin. Washington. 8°.

DALL, William Healey. List of Marine Mollusca comprising the Quaternary Fossils and Recent Forms from American Localities between Cape Hatteras and Cape Roque including the Bermudas. No. 24 (vol. 4), 1885. [iii]+336 pp. and cover-title. Y^c (876)

NOTE.—This in as alphabetical "List of Marine Mollusca," preceded by an Introduction and Bibliography. Most of the species from Bermuda included in this list are from "J. Matthew JONES' *Contributions to the Natural History of the Bermudas. Part I. Mollusca*. (Moll. Bermudas.) In Nova Scotian Institute of Natural Science. Transactions; Halifax, the Society 1864; Vol. ii, part ii, pp. 14-26. 8°." See HEILPRIN'S *Bermuda Islands*, p. 170.

United States — *National Museum*. Bulletin. Washington. 8°.

GOODE, George Brown. Catalogue of the Fishes of the Bermudas. Based chiefly upon the Collections,

Bermuda in Periodical Literature.

of the United States National Museum. No. 5
(1876). ii+82 pp. and cover-title. A* (877)

NOTE.—"The first complete account of the ichthyology of that portion of the world. These were principally obtained by Mr. Goode during a visit to the islands in the months of February and March, and are notes on the character of the species, containing many important facts in regard to their natural history. 75 species in all were actually observed, and the existence of others determined, but not established by specimens. A chief value of the paper is in the description of the colours of the fish while living, and notes on their size and hints on their popular names, their capture and economical value."—*Nature*, vol. 14 (no. 351, July 20, 1876), p. 261. "The marine fauna is much more tropical in character than the land fauna and flora, the majority of the fishes being those of the West Indian region. 4 marine species and 1 inhabiting brackish water are at present known to be peculiar to the group. They were described by Goode, Günther, and Matthew Jones in 1874."—*Zoological Record*, vol. 13 (1876), Pisces, p. 6.

"This is a model record of field observations and is one of the best of local catalogues. Dr. Goode retained his interest in this outpost of the great West Indian fauna, and from time to time recorded the various additions made to his first Bermudan catalogue."—S. P. LANGLEY'S *Memoir of George Brown Goode* (Wash., 1897), p. 18.

This pamphlet forms "Article V." of vol. 1 of the *Bulletin* of the NATIONAL MUSEUM. It is also No. 5 of Vol. 13 of the *Miscellaneous Collections* of the SMITHSONIAN INSTITUTION.

YARROW, H. C. Check List of North American Reptilia and Batrachia, with Catalogue of Specimens in U. S. National Museum. No. 24 (1883). [vi]+249 pp. and cover-title. Yⁿ (878)

NOTE.—Two specimens are here given as from Bermuda:
"(71) *Eumeces Longirostris* Cope. COPE. *Proc. ACAD. NAT. SCI. PHILA.*, 1861, 313. Reserve series. 12129. 1 [specimen]. Bermuda. [from] G. Brown Goode. Alcoholic. Popular name Bermuda Skink." p. 42.

"(387) *Spelerpes Bilineatus* Green. COPE. *Proc. ACAD. NAT. SCI. PHILA.*, 1869, 105. Reserve series. 4737. 2 [specimens]. Bermuda. [from] J. H. Darrell. Alcoholic. Popular name Green's Triton." p. 156.

JONES, John Matthew, and GOODE, George Brown, *editors*. Contributions to the Natural History of the Bermudas. No. 25 (1884). See JONES, John Matthew, and Goode, George Brown, *editors*.

DALL, William Healey. A Preliminary Catalogue of the Shell-Bearing Marine Mollusks and Brachio-pods of the South-Eastern Coast of the United States, with illustrations of many Species. No. 37 (1889). 221 pp. 74 plates. Y^c (879)

NOTE.—In the columns of districts, Bermuda has a separate column. "The Island of Bermuda and its associated reefs is intimately allied by its mollusk

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United States — *National Museum. (Continued.)*

fauna to the region of the Florida Keys and Northern Antilles. A column has therefore been provided for it." p. 10. A bibliography of the subject is given on pp. 14-25 and includes "J. M. JONES' *Contributions to the Natural History of the Bermudas. Pt. 1. Mollusca*, in N. S. Institute of Nat. Sci., Vol. 2, part 2 (1864), pp. 14-26." Of the Bermuda species (199 in all) 180 are recorded as found in shallow water, 13 in from 50 to 500 fathoms, and 6 species are doubtful. Many of them are illustrated in the plates.

United States — *National Museum. Proceedings.* Washington. 8°.

GOODE, George Brown. The Voices of the Crustaceans. Vol. 1 (1879), p. 7-8. Y^c (880)

NOTE.—This article gives the writer's observations, noted in the Bermudas, upon the loud clicking noises of several species of *Alpheus*; upon the viciously sharp snapping noises of the macrurous crustacean *Gonodactylus chiragra*, known to the Bermudians as the "split thumb," and upon the loud grating noise of the "Bermuda lobster" *Panulirus americanus*. Of the latter he says;—"Both sexes are provided with the vocal organs." This volume is also Part First of Vol. 19, of the *Miscellaneous Collections* of the SMITHSONIAN INSTITUTION.

GOODE, George Brown, and BEAN, Tarleton H. On a New Serranoid Fish, *Epinephalus Drummond-Hayi*, from the Bermudas and Florida. Vol. 1 (1879), p. 173-175. Y^c (881)

NOTE.—This volume is also Part First of Vol. 19 of the *Miscellaneous Collections* of the SMITHSONIAN INSTITUTION (1880). "The National Museum possesses two specimens of a Serranoid Fish, apparently undescribed, for which we propose the name *Epinephalus Drummond-Hayi*, dedicating the species to Colonel H. M. Drummond Hay, C. M. Z. S., of Seggieden, Perth, Scotland, formerly of the British Army, by whom the species was first discovered at the Bermudas in 1851.

The species is easily recognized from its numerous, small, star-like white spots on a dark ground, a type of coloration not found in any other representative of this family hitherto described. A collection of water-color drawings, lent to the Smithsonian Institution by Colonel Drummond Hay, contains an excellent sketch of one of these fishes, which was taken by him on the outer reef of the Bermudas in 1851. This specimen weighed fifty-two and one-half pounds. The drawing is on the scale of one-fifth. . . . We have seen other specimens of this series in the New York Aquarium, which were said to have been brought from the Bermudas. At Pensacola this fish is called the Hind; at the Bermudas, it is the 'John Paw.' See also HURDIS' *Rough Notes*, p. 354.

GOODE, George Brown. On Two Fishes from the Bermudas mistakenly described as New by Dr. Günther. Vol. 1 (1879), p. 462-463. Y^c (882)

NOTE.—The two fishes here described are the *Belone Jonesii* Goode and Günther; and the *Gerrhes Jonesii* Günther, *Diapterus Lefroyi* Goode (1874), *Eucinostomus Lefroyi* Goode (1876), or *E. productus* Poey (1875-76).

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GOODE, George Brown. A Study of the Trunk-Fishes (Ostraciontidae), with Notes upon the American Species of the Family. Vol. 2 (1880), p. 261-283.

Yⁿ (1883)

NOTE.—This is also in volume 19 of the *Miscellaneous Collections* of the SMITHSONIAN INSTITUTION. In this extensive essay upon Trunk-Fishes, the following species are referred to as belonging to Bermuda:—*Ostracium triquetum* (*Ostracion triquetus* Linn.), a specimen of which the writer had in his aquarium when in Bermuda in 1872, p. 271; *Ostracion trigonus* Linn., of which Mr. Goode secured three specimens in Bermuda, ranging in length from 1 to 12 inches, p. 276-278; *O. quadricornis* Linn., much esteemed for food in the Bermudas, p. 278-280.

JORDAN, David S., and SWAIN, Joseph. A Review of the American Species of the Epinephelus and Related Genera. Vol. 7. (no. 23-26, September 17-18, 1884), p. 358-410.

Yⁿ (1884)

NOTE.—The following species, which are described, are assigned to the Bermudas:—11. *Mycteroperca venenosa*, p. 373-376; 17. *Epinephelus striatus*, p. 384-385; 22. *E. drummond-hayi*, p. 388-389; 23. *E. apua*, p. 389-391; 32. *E. fulvus*, p. 402-405.

JORDAN, David S., and FORDICE, Morton W. A Review of the American Species of Bellonidae. Vol. 9 (October 19-30, 1886), p. 339-361.

Yⁿ (1885)

NOTE.—Of the Bermuda fishes a single species is here recorded, viz.:—18. *Tylosurus acus* Bean MSS., Hound-fish, p. 355-357. This corresponds to the *Belone jonesi* of Goode and Günther.

RATHBUN, Richard. Annotated Catalogue of the Species of Porites and Synaræa in the United States National Museum, with a Description of a New Species of Porites. Vol. 10 (1888), p. 354-366. 5 plates.

Yⁿ (1886)

NOTE.—"A large and fine series of the three common Antillean species have recently been added to the collection from Southern Florida, and two of the same species are well represented from Bermuda."—p. 354. The Bermuda species are as follows:—1. *Porites astræoides* Lamarck, p. 354-355; 3. *P. clavaria* Lamarck, p. 356-361, plate 18, fig. 1 and plate 17, fig. 2. See also HEILPRIN'S *Bermuda Islands*, p. 102.

RATHBUN, Mary Jane. Catalogue of the Crabs of the Family Periceridae in the U. S. National Museum. Vol. 15 (no. 901, 1893), p. 231-277. 13 plates. Yⁿ (1887)

NOTE.—Several species here enumerated are found in the Bermudas:—*Picroceroides tubularis* Miers (Challenger Rept., Zool., xvii., p. 77, pl. x., fig. 1, 1886), p. 248-249; *Microphrys bicornutus* Latreille, p. 253-255; *Mithrax hispidus* Herbst, p. 265-266; *M. forceps* A. Milne Edwards, p. 269-271.

BIGELOW, Robert Payne. Scientific Results of Exploration by the U. S. Fish Commission Steamer Albacross . . . No. xxxii.—Report on the Crustacea of

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United States — National Museum. (Continued.)

the Order Stomatopoda collected by the Steamer Albatross between 1885 and 1891, and on Other Specimens in the U. S. National Museum. Vol. 17 (1895), p. 489-550. 3 plates and 28 illustrations.

Yⁿ (888)

NOTE.—One specimen of *Pseudosquilla ciliata* Miers, from Bermuda, is in the National Museum, p. 499-500.

RATHBUN, Mary Jane. The Decapod Crustaceans of West Africa. Vol. 22 (no. 1199, 1900), p. 271-316.

Yⁿ (889)

NOTE.—The four following species are ascribed to the Bermudas: *Gecarcinus lagostoma* Milne-Edwards, p. 277; *Goniopsis cruentata* Latreille, p. 278; *Pachygrapsus transversus* Gibbs, p. 278; *Hippa cubensis* Sausure (*Kenipes scutellatus* Miers), p. 300.

United States — Patents, Commissioner of. Report for the Year 1855. Agriculture. Washington. 8vo.

INSECTS injurious and beneficial to the Orange-tree.

Vol. for 1855, p. 115-119. (890)

NOTE.—“While on the subject of the orange-scale insect, it may be as well to mention that some time last year [1855] another coccus was imported into Jacksonville, Florida, on some lemons sent from Bermuda; and, as they may perhaps spread in the vicinity, it would be well to draw attention to the insect and describe it as known.”—p. 119. This is followed by a full description of the insect.

United States — Smithsonian Institution. See Smithsonian Institution.

United States — State Department. Commercial Relations of the United States with Foreign Countries. Washington. 4° and 8°.

HANGER, Marshall, *Consul*. Bermuda. Report for 1893. 54th Cong., 1st sess., House Doc. No. 186, Vol. 1, p. 385-388. (891)

NOTE.—Tabular statements relating to Imports, Exports, and Navigation, for the year ending December 31, 1893.

HANGER, Marshall, *Consul*. Bermuda. Report for 1894. 54th Cong., 1st sess., House Doc. No. 186, Vol. 1, p. 388-391. (892)

NOTE.—Imports, Exports, and Trade, for the year ending December 31, 1894.

United States — State Department. Reports from the Consuls of the United States on the Commerce, Manufactures, etc., of their Consular Districts [Consular Reports]. (Commercial Relations of the United States.) Washington. 8°.

ALLEN, Charles M. Trade of Bermuda. Vol. 1. (no. 3, January, 1881), p. 182.

NOTE.—Notice of and short extract from his report of November 8, 1880.

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- WILLIAMS, Charles P. American trade with Bermuda. Report by Commercial Agent Williams, of St. George. Vol. 3 (no. 11, September, 1881), p. 366-368.
 NOTE.—“Almost every description of wrecked and disabled vessels is visible here in course of a year. Many vessels of every nation have been truly thankful for the location of these islands, and have by them been saved from destruction impending and almost inevitable.”
- ALLEN, Charles M. Imports of Cotton Goods and Cotton Yarns into Bermuda. Vol. 4 (no. 12, October, 1881), p. 172-173. Y^c (895)
- WILLIAMS, Charles P. American trade with the Bermudas. Report by Commercial Agent Williams, of St. George, on the Best Means of Enlarging the Trade between the United States and Bermuda. Vol. 8 (no. 25, November, 1882), p. 34-37. Y^c (896)
- ALLEN, Charles M. Vegetable Culture in Bermuda. Vol. 9 (no. 28, February, 1883), p. 236-238. Y^c (897)
 NOTE.—Treats of the culture of onions, potatoes, and tomatoes. “Land cannot be purchased, except at a high price, say, from £30 to £40 sterling per acre, and then not more than one-eighth is susceptible of cultivation.”
- ALLEN, Charles M. Fruit in Bermuda. Vol. 12 (no. 41², June, 1884), p. 802. 7 lines. Y^c (898)
- ALLEN, Charles M. Bermuda. Report [on the Credit and Trade System of Bermuda] by Consul Allen, Bermuda, July 10, 1883. Vol. 13 (no. 43, July, 1884), p. 478-479. Y^c (899)
- ALLEN, Charles M. Foreign Commerce of Bermuda. Vol. 14 (no. 46, October, 1884), p. 181-188. Y^c (900)
 NOTE.—Gives very full tables of Imports and Exports for the year ending December 31, 1883.
- ALLEN, Charles M. Bermuda. [Tables of Declared Exports to the United States, for the Quarters ending March 31, June 30, and September 30, 1884.] Vol. 15 (no. 52, April, 1885), p. 815. Y^c (901)
- ALLEN, Charles M. Commerce of Bermuda. Vol. 16 (no. 55, August, 1885), p. 637-644. Y^c (902)
 NOTE.—Gives full tables of Exports and Imports from Bermuda for the year ending December 31, 1884; Imports and Exports between Bermuda and the United States; also Navigation of Bermuda for the year 1884.
- ALLEN, Charles M. Bermuda. Vol. 16 (no. 56, September, 1885), p. 777-778. Y^c (903)
 NOTE.—Tables of Declared Exports to the United States for the Quarters ending March 31 and June 30, 1885.
- SUMMARY of Quantities and Value of Imports and Exports, Bullion and Specie included; 1873-1885. Vol. 24 (no. 85, October, 1887), p. 136-139. Y^c (904)

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United States — *State Department.* (Continued.)

ALLEN, Charles M. Imports of Sugar into Bermuda during the Year 1886. Vol. 24 (no. 86, November, 1887), p. 250. Yc (905)

NOTE.—“No sugar is produced in nor exported from this colony.”

DOTY, Jacob L. Tariff Act of Bermuda. The Supply and Appropriation Act, 1887-'88. Vol. 25 (no. 88, January, 1888), p. 193-194. Yc (906)

BECKWITH, Henry W. Bermuda [its Agriculture, Exports, and Climate]. Vol. 30 (no. 106, July, 1889), p. 378-380. Yc (907)

NOTE.—The report closes with a reference to the “Tourists and Visitors.”

BECKWITH, Henry W. Recorded Indebtedness, [Mortgages] in Bermuda. Vol. 31 (nos. 110 and 111, November and December, 1889), p. 698-699. Yc (908)

BECKWITH, Henry W. Prosperity in Bermuda. Vol. 34 (no. 120, September, 1890), p. 43-44. Yc (909)

NOTE.—Crops were good. This year is memorable also as marking the commencement and completion of the Bermuda and Halifax cable, connecting Bermuda by electricity for the first time with the rest of the world.

HEYLE, James B. Productions and Exports of Bermuda. Vol. 37 (no. 135, December, 1891), p. 450-452.

NOTE.—This report by vice-consul Heyle also relates to the “insect pest,” viz., scale insects and snails.

SULLIVAN, William K. The Crops of Bermuda in 1892. Vol. 39 (no. 142, July, 1892), p. 560-562. Yc (911)

NOTE.—A large part of this report is devoted to an attempt made by Dr. S. A. Smith, a native Bermudian, to cultivate the silkworm, and contains extracts from two reports made by a committee appointed to visit and report on the silkworm establishment of Dr. S. A. Smith at Warwick. “Other Bermudians are about to follow Dr. Smith's example.”

SULLIVAN, William K. Farming in Bermuda. Vol. 39 (no. 143, August, 1892), p. 719-720. Yc (912)

SULLIVAN, William K. Packing of Imports for Bermuda. Vol. 41 (no. 151, April, 1893), p. 575-577.

SULLIVAN, William K. [Debts of Honor in] Bermuda. Vol. 42 (no. 155, August, 1893), p. 495-496.

GROUT, John H., Jr. American Shook Trade in Bermuda. Vol. 43 (no. 159, December, 1893), p. 438-439. Yc (915)

GROUT, John H., Jr. Bermuda [a Report on Packing Goods for Export]. Vol. 44 (no. 160, January, 1894), p. 90-94. Yc (916)

NOTE.—“The United States furnish at least two-thirds of the goods consumed [in Bermuda]. The remainder is brought from England.”

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- GROUT, John H., *Jr.* Bermuda. Vol. 45 (no. 164, May, 1894), p. 150-151. Yc (917)
 NOTE.— This is a report on the "Extension of Markets for American Flour." "The demand for American flour [is] practically beyond competition."
- WILLETT, Edward W. Lime Industry in Bermuda. Vol. 49 (no. 183, December, 1895), p. 526. Yc (918)
- HANGER, Marshall. Harbor Improvement at Hamilton, Bermuda. Vol. 51 (no. 188, May, 1896), p. 147-148. Yc (919)
 NOTE.— Announcement of the completion of the improvements in Staggs channel and Two Rocks passage.
- WILLETT, Edward W. Port Charges at St. George's, Bermuda. Vol. 51 (no. 190, July, 1896), p. 481-482.
 NOTE.— Contains the following tables, "Pilotage Table," "Wharfage of vessels at St. George's," and "Rates of Storage."
- WILLETT, Edward W. Tariff of Bermuda; transmitted June 25, 1896. Vol. 51 (no. 191, August 1896), p. 762-764. Yc (921)
- BERMUDA. Exports declared for the United States. Vol. 56 (Supp. to no. 211, January, 1898), p. 5. Yc (922)
- GREENE, W. M. Agricultural Conditions in Bermuda. Vol. 58 (no. 217, October, 1898), p. 301-302.
 NOTE.— "The full text of the report has been transmitted to the Agricultural Department."
- BERMUDA. Exports declared for the United States. Vol. 59 (Supp. to no. 220, January, 1899), p. 5. Yc (924)
 Vol. 59 (Supp. to no. 223, April, 1899), p. 5.
 Vol. 60 (Supp. to no. 225, June, 1899), p. 5-6.
 Vol. 61 (Supp. to no. 228, September, 1899), p. 5.
 Vol. 62 (Supp. to no. 235, April, 1900), p. 6.
- United States — *Weather Bureau*. Publications. Washington. 8°.
- VIÑES, *Rev.* Benito. Investigation of the Cyclonic Circulation and the Translatory Movement of the West India Hurricanes. No. 168, 1898. 34 pp. and cover-title.
 NOTE.— "I do not believe that on the face of the globe there is another region where cyclones are met with that can compare with those of the West Indies, or, rather, I should say, with those of the great Bay of North America. Neither is there within the whole intertropical zone a grander bay than this one, nor one which offers more favorable conditions for the development and onward progress of gyratory storms."
 "The Bay of North America comprises, as I understand, that part of the Atlantic to the west of the fifty-fifth meridian (longitude west of Greenwich) from Newfoundland to Dutch Guiana. It is bounded on the east by the said meridian and on the north, west, and south by the coasts of Newfoundland, Labrador, and Gulf of St. Lawrence, by the coasts of the Atlantic, Gulf of Mexico, and Caribbean Sea from Yucatan to Dutch Guiana. It embraces the West Indies, the Caribbean Sea, the Gulf of Mexico, the Bahamas, the Bermudas, and the gulfs of Charleston and of the St. Lawrence."—p. 23

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United States—Weather Bureau. (Continued.)

The author notices the cyclone of August, 1873, which originated to the southeast of the Cape Verde Islands and extended as far as to the west of the Bermudas. From its irregular action, after due investigation, he decides that it was one of two simultaneous cyclones in the middle latitudes (*See* p. 34).

Universal History—Modern Part. London. 8°.

BERMUDAS ISLANDS. Vol. 41 (1764), p. 339-345. (926)

NOTE.—“Discovery of the Bermudas-Islands, by the English, who abandon them.—They are re-inhabited, and their property given to the Virginia company.—Moore, governor.—Tucker, governor.—Wonderful escape of five Englishmen in an open boat.—Butler, governor.—Prosperity of the island.—Day, governor.—Bennet, governor.—Account of dean Berkeley’s ineffectual project.—Natural history of the Summer-Islands.”

BERMUDAS ISLANDS. Vol. 36 (1783), p. 292-296. (927)

NOTE.—This account of the Bermudas seems to be somewhat abridged from that in the earlier edition. It is to this edition that LEFROY refers in his *Memorials*.

Universe Pittoresque, L’; ou Histoire et Description de tous les Peuples. Paris. 8°.

BORY DE SAINT-VINCENT, —. Histoire et Description des Iles de l’Ocean. Vol. 66; America, vol. 3, (1839).

NOTE.—The Bermudas are described on p. 154-160. The following are the topics treated:—Location, number, description, formation, and reefs, p. 154; Thomas Moore, difficulty of navigation, anecdote from Basil Hall, p. 155; Caves, climate, healthfulness, hurricanes, Waller, Shakespeare, soil, and plants, p. 156; Agriculture, cedars, boats, fruits, and birds, p. 157; Fisheries, population, government, and mainland, p. 158; St. George’s island and town, houses, coral stone, lack of springs, and early history, p. 159; Settlement and subsequent history, p. 160.

Verrill, Addison Emory. The Bermuda Islands. An Account of their Scenery, Climate, Productions, Physiography, Natural History, and Geology, with Sketches of their Discovery and Early History, and the changes in their Flora and Fauna due to Man. New Haven, Published by the Author, 1902. 8vo, x + 548 pp. and stiff paper cover-title. 40 plates and over 280 illustrations. (929)

NOTE.—This important contribution to the Natural History of the Bermudas, is reprinted from the Transactions of the Connecticut Academy of Science, Volume XI, pp. 413-960, with some changes and additions. It includes a great variety of subjects and, as its author says in his *Preface*, is intended to serve several purposes:—

“*First*: To furnish visitors to the Bermudas, and all others interested in the subjects treated, a convenient and comprehensive treatise on the history, structure, and productions of the islands.

“*Second*: To provide a work that can be used, both by the people and students of Bermuda, as a manual or introductory text-book for studying this interesting archipelago and its Natural History. To this end, the

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Entomology has been treated somewhat fully, and with numerous illustrations, especially of the injurious insects, because this important subject has hitherto been almost entirely neglected by writers.

"*Third*: To record as far as possible in one volume, the more important changes in the Flora and Fauna already caused by man, as a basis for the future changes, which are sure to go on with increasing rapidity in consequence of the great increase of commerce with the United States and West Indies.

"*Fourth*: To furnish a suitable introduction to a series of more technical and elaborate memoirs on the Natural History and Geology of the islands, by the author and other naturalists, now in course of publication, and of which fifteen have already been issued."

The author's reputation as a scientist is so well established that we cannot pass this work without noting somewhat fully the ground over which he has gone and the results which he has established.

Part I., covering the first 52 pages, gives a General Description of the Scenery, Climate, Harbors, Waters, Vegetation, Birds, Roads, Historical Localities, Ruined Forts, etc., and is illustrated with numerous cuts. The early histories have been carefully gleaned for any light they could give upon these topics. Having given this carefully prepared general description, the author next takes up in Part II., the Physiography, including Meteorology, etc., of the islands. Meteorological observations for 1848-1909, inclusive, are given in tabular form. The Principal Productions and Exports are historically treated at some length.

Part III., which fills the greater portion of the volume relates to the Changes in the Flora and Fauna due to Man, with a sketch of the Discovery and Early History. This sketch includes an account of the Historical Shipwrecks. The early cultivation of tobacco and the sale of the Indians captured in the Pequot and King Philip's Wars, as slaves, form interesting features of this section.

The FLORA of the islands is treated in several sections under the following titles: The Character and Origin of the Original Flora.—Destructive Effects of Wild Hogs (before 1612); Wood Rats; Snails; Slugs, etc.—Effects of Deforesting.—Introduction of Useful Plants and Injurious Weeds.—Principal Introduced Shade Trees and Ornamental Shrubs.

In the section relating to the effects of Deforesting we have an interesting account of the Yellow-wood Tree, which was common and well distributed over the islands at the time of the early settlements, but of which in 1876, Governor Letroy knew of but one tree about ten inches in diameter, east of Paynter's Vale. This account of the "Yellow-wood Tree and the Legends of Buried Treasures" associated with it forms one of the most romantic portions of Bermudian history.

The FAUNA of the islands, as might be expected, occupies a considerable portion of the volume. This subject is divided into several sections with the following titles: The Extinction or Partial Extinction of Native Birds. (Under this heading we have long and interesting descriptions of the "Cahow" and "Pimlico" of the early settlers.)—Partial Extinction of the Whales.—Extinction of Breeding Sea Turtles; the Lizard. (The latter, *Eumeces longirostris* Cope, is peculiar to the islands.)—Decrease of certain Fishes and Shellfish.—Introduction of Domestic Animals; with a sub-title The Plague of Wood Rats [1614-18].—Introduction of Birds.—Introduction of Reptiles and Amphibians.—Introduction of Land Snails and Slugs.—Introduction of Injurious and Useful Insects.—

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Verrill, Addison Emory. (Continued.)

Introduction of Arachnids and Myriapods.—Introduction of Terrestrial Isopods (Pill-bugs, etc.).—Introduction of Earthworms; Land Nemerteans, etc.—Introduction of Marine Species; Feasibility of the Introduction of useful species.

Professor Verrill, as stated in his Preface, has given particular care to his treatment of the Entomology of the islands. It is his opinion that perhaps ninety per cent. of all the insects on the islands have been introduced by man, since the settlement. The insect fauna is remarkable for the rarity or total absence of many groups common in most countries. It is still too imperfectly known to warrant a tabular statement of its origin. About 265 species are reported in this work, of which the Lepidoptera and Coleoptera each includes about 50 species. "Of those that are accurately known, more than 90 per cent. belong also to the fauna of the United States, either as natives or introduced; a few are European; perhaps a dozen are peculiarly West Indian; only two are confined to Bermuda, so far as known."—p. 328.

The bibliography appended to the text is more exhaustive than any other I have seen. In an Addenda the author has had an opportunity to deal with several topics not mentioned in the body of the work, such as: Former Yellow Fever Epidemics.—Conspiracy of 1761-62.—Zoölogy of Godet's Book (which is shown to be "very unreliable and misleading").—Capture of Gunpowder, 1775.—Witchcraft Trials.—Additional Insects, etc., etc.

The work is illustrated with numerous beautiful and realistic plates and cuts, and is provided with a good index. It is the most comprehensive work on the natural history of the islands which has been published since Jones and Goode's work in 1884.

NEW SPECIES. The following new species and varieties are here described for the first time: *Pacilosonites Bermudensis*, var. *zonata* Ver., p. 316; *Cicada Bermudiana* Ver., p. 324, plate xcvi, figs. 1, 2; *Heteropsocus* Ver. (gen. nov.), p. 405; *H. dispar* Ver., p. 406, figs. 192-192b; *Uropodias Bermudensis* Rich., p. 432; *Alcis verrillata* Dyar, p. 478.

ADDITIONS TO FAUNA. MAMMALIA. Hump-back whale (*Megaptera nodosa* Bonnat, p. 270, fig. 44; *Balenoptera physalus*, p. 276, figs. 44a, 45b (these two species had not been definitely recorded previously); *Balena glacialis* Bonnat, p. 276, fig. 45 (previously recorded by J. Matthew Jones as the Greenland whale).

MOLLUSCA. *Hyalina lucida* Drap., p. 321, fig. 81.

INSECTS. DIPTERA. *Musca domestica* L., House-fly, p. 328, fig. 86; *Lucilia caesar* L., Blue-bottle, p. 328, fig. 87; *Lucilia sericata* Meig., Meat-fly, p. 328; *Stomoxys calcitrans* L., Stable-fly, p. 328, fig. 89; *Calliphora vomitoria* L., Blow-fly, p. 328, fig. 88; *Phorbia ceparum*, Onion-fly, p. 330, fig. 90; *Drosophila ampelophila* Leav., Grape-fly, p. 330, fig. 91; *Prophila casei* L., Dairy-fly, p. 330; *Tabanus*, sp., Green-beard, Gad-fly, p. 333; *Asilus* sp., Robber-fly, p. 333; *Scelopse atrata* Say, p. 337; *Orthocladus*, sp., p. 337; *Phora*, sp., p. 337; *Psilopus chrysoprasus* Walk., p. 337.

APHANIPTERA. *Serraticeps canis*, Dog-flea, p. 337, figs. 102, 103.

HYMENOPTERA. *Sceliphron fasciatum* St. Farg., Mason-wasp, p. 341, fig. 108; *Chalybion cæruleum* L., Mason-wasp, p. 341, fig. 108a; *Ophion*, sp., Ichneumon-flies, p. 342; *Monomorium minutum*, House-ant, p. 343, fig. 110; *Tetramorium caespitum*, Garden-ant, p. 343, fig. 111; *Limneria*, sp., p. 477; *Cratichneumon*, sp., p. 477.

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- LEPIDOPTERA. *Heraclides cresphontes* Cr., Orange tree Butterfly, p. 347, fig. 117, plate 81, figs. 1-5; *Papilio*, sp., p. 348; *Pyrrharcia isabella*, Isabella Moth, p. 356, fig. 129a; *Autographa rogationis* Dyar, p. 477, fig. 238; *Prodenia eridania*, Cram., p. 478, fig. 240; *Anomis erosa* Hübner, p. 478; *Synchlora denticulata* Walk., p. 363; *Gypsochroa stellata*, Gn., p. 364, 479, fig. 239, pl. 98, fig. 9; *Diaphania nitidalis*, Cucumber-moth, p. 364, fig. 137; *Pyrallis farinalis*, p. 367; *Hymenia fascialis*, Sweet-potato Fire-worm, p. 365, figs. 138, 139; *Galleria mellonella*, Bee-moth, p. 367, fig. 140; *Syngamia florella* Cr., p. 366; *Ephestia kuehniella* Zell., Flour moth, p. 367, fig. 144; *E. cahiritella* Zell., Raisin or Fig-moth, p. 367, fig. 141; *Plodia interpunctella*, Meal-moth, p. 367, fig. 143; *Sitotroga cerealella*, Grain-moth, p. 367, figs. 145, 145a; *Tinea granella*, Grain-moth, p. 367, fig. 142; *T. pellionella* L., Clothes-moth, p. 368, fig. 146; *T. bisellabella*, Tapestry-moth, p. 368, fig. 147; *Trichophaga tapetzella* L., Tapestry-moth, p. 369, fig. 147a; *Bedellia minor* Busck? Leaf-miner of Sweet Potato, p. 369, fig. 148; *Gelechia bosquella* Chamb., p. 369; *Crambus laqueatellus* Clem.? Grass Web-moth, p. 369; *Platyptilia pusillidactyla* Walk., Plume-moth, p. 479; *Setomorpho*, sp., p. 479.
- NEUROPTERA. *Chrysopa rufilabris* Burm., Lacewing Fly, p. 370, fig. 149.
- COLEOPTERA. *Epicerus imbricatus*? Onion Weevil, p. 373, fig. 154; *Diaprepes*, sp., Weevil, pp. 373, 498, pl. 98, fig. 10; *Anchonus*, sp., Black Curculio, p. 374, fig. 155a; *Chrysobothris impressa* Fabr., pp. 374, 382, fig. 155a; *Tenebrio molitor*, Meal-worm, p. 375, fig. 157. *Tribolium confusum* Duv., Flour-beetle, p. 375, fig. 158; *T. ferrugineum* Fabr., Flour-beetle, p. 376, fig. 158f; *Sylvanus Surinamensis*? Flour-beetle, p. 376, fig. 161; *Bruchus botectus*, Bean-weevil, p. 376, fig. 158b; *B. pisorum* L., Pea-weevil, p. 376, fig. 159a; *B. chinensis* L., Cow-pea Weevil, p. 376, fig. 160; *Diabrotica vittata*? Melon-beetle, p. 377; *Gnaptorhiza chalybea* Illig., Grape-vine Flea-beetle, p. 377, fig. 162; *Haltica ignita* Illig., Strawberry Flea-beetle, p. 377, fig. 163; *Epitrix parvula* Fab., Tobacco Flea-beetle, p. 377, fig. 164, 164a; *Elaphidion*? sp., p. 378; *Psammodius*, sp., p. 380; *Ptinus fur* L., Spider-beetle, p. 380, fig. 166; *Lasioderma scrolicorne*, Cigarette-beetle, p. 381, fig. 167; *Sitodrepa panicea* L., Bread-beetle, p. 381, fig. 166a; *Necrobia rufipes* DeGeer, Ham-beetle, p. 381, fig. 168; *Monocrepidius lividus* Dej., Snapping-beetle, p. 383, plate 99, fig. 13; *Dermestes lardarius*, Larder-beetle, p. 383, fig. 171; *Anthrenus scrophularia*, Carpet-beetle, p. 383, fig. 171a; *A. verbasci*, Museum-beetle, p. 383, fig. 172; *Attagenus piceus* Ol., Black Carpet-beetle, p. 384, fig. 173; *Ephura luteola* Er., p. 384; *Anchomenus*, sp., p. 385.
- HEMIPTERA. *Nezara*, sp., Leaf-bug, p. 386; *Mormidia lugens* Stal., Tomato Leaf-bug, p. 387; *Lygus*, sp., p. 387, plate 99, fig. 17d; *Orthops*, sp., p. 387; *Lygus pratensis* L., var., p. 387, fig. 174; *Trigonotylus ruficornis* Fall., p. 387; *Eithus*, sp., p. 388; *Panera bilobata* Say, p. 388; *Calidea flaviceps* Stal., p. 388; *Cicadula*, sp., p. 389; *Nectophora citrifolia*, Orange Plant-louse, p. 390, fig. 177; *Aphis brassicae* L., Cabbage Plant-louse, p. 390, fig. 178; *Dactylopius destructor*? Mealy-bug, p. 394; *D. citri* Bois, Orange Mealy-bug, p. 394; *Dactylopius*, sp., Pine-apple Coccus, p. 480; *D.*, sp., Grass-root Coccus, p. 480; *Orthezia insignis* Dong., p. 394, pl. 98, fig. 16; *Lecanium hesperidum* L., Broad Scale, p. 395, figs. 181a, 184a; *L. oleae* Bern., Black Scale, p. 395, fig. 181; *L. hemisphaericum* Targ., Hemispherical Scale, p. 395, fig. 181b; *L. nigrum* Niet.? Black Scale, p. 396; *Asterolecanium bambusae* Bois., Bamboo Scale, p. 481.

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Verrill, Addison Emory. (Continued.)

- Ceroplastes floridensis* Comst., Florida Scale, pp. 396, 481, fig. 180; *Chionaspis citri* Comst., Orange Scale, p. 397, figs. 182c, pl. 96, figs. 5c, 6c; *Mytilaspis floridensis*, p. 481; *Aspidiotus Maskelli* Cockerell? p. 399; *A. ficus*, Ashm., Fig-scale, p. 481; *Chrysomphalus smilacis*? Pine-apple Scale, p. 481; *Fiorinia florinia* Targ.-Tozz., p. 481; *Aleyrodes*, sp., Palm Scale, p. 481.
- PSEUDONEUROPTERA. *Tramea*, sp., Dragon-fly, p. 401; *Lepthemis*? sp., pp. 401, 404; *Agrion*, sp., p. 402; *Eschna*? sp., p. 403; *Calotermes castaneus* Furm., White Ant, pp. 405, 482, pl. 99, fig. 16; *Atropos divinatoria*, Book-louse, p. 407, fig. 194; *Trinoton luridum* Nitz., Tropic-bird Louse, p. 407, fig. 193, 193a; *Decophorus communis* Nitz., Bird-louse, p. 408; *D. incisus* Kell., Blue-bird Louse, p. 408.
- ORTHOPTERA. *Conocephalus dissimilis* Serv., Green Grasshopper, p. 409, fig. 191; *Anisomorpha bifrestitoides* Stoll., Walking-stick, p. 411, fig. 197; *Stagomantis*, sp., p. 411; *Periplaneta Australasiae* Fabr., Australian Cockroach, p. 413, pl. 99, fig. 20; *Stylopyga orientalis* L., Black-beetle, p. 413, fig. 200; *Ectobia Germanica* L., Croton Bug, p. 414, fig. 201; *Panestrinae*, sp., Wingless Cockroach, p. 415; *Phyllodromia*, sp., Cockroach, p. 415.
- ARACHNIDA. *Centrurus gracilis* Gerv., pp. 418, 483, fig. 241; *Lycosa*, sp., Brown Wolf-spider, p. 427; *Tyroglyphus siro* L., Cheese-mite, p. 429, fig. 226; *Alloptes phaeothontis* Gmel., Tropic-bird Mite, p. 429; *Megninia aequinoctialis* Trouess., p. 429; *Tetranychus bimaculatus* Banks, Red Spider or Leaf-mite, p. 429, fig. 227; *T. tilarius* L., p. 430, fig. 228; *Uropoda*, sp., pp. 389, 430, fig. 175; *Psoroptes equi*, Horse Mange-mite, p. 430, fig. 224a; *Dermanyssus avium* Dug., Chicken-mite, p. 430, fig. 224b.
- MYRIAPODA. *Scutigera forceps* Raf., House Centipede, p. 431, fig. 229.

Verrill, Addison Emory, and others. Zoölogy of the Bermudas. Volume I. Fifteen Articles on the Natural History of the Bermuda Islands. 1900-1902. Extra Edition; 18 articles. New Haven, 1903. 8°. [iv]+v. p. 45 plates and many illustrations. (930)

NOTE.—Several of the monographs in this volume are reprinted from vols. 10 and 11 of the *Transactions of the Connecticut Academy of Science*. The volume contains the following papers:—

1. PILSBRY, Henry Augustine. The Air-breathing Mollusks of the Bermudas. Vol. 10 (part 2, September, 1900), pp. 491-509. 1 plate.
Also issued separately. A general revision of all the known species of Bermuda land shells with Bibliography. 15 cents.
2. GARNAN, Samuel. Additions to the Ichthyological Fauna of the Bermudas, from the Collections of the Yale Expedition of 1898. Vol. 10 (part 2, September, 1900), pp. 510-512.
Also issued separately. 10 cents.
3. VERRILL, Addison Emory, and BUSH, Katharine J. Additions to the Marine Mollusca of the Bermudas. Vol. 10 (part 2, September, 1900), pp. 513-544. 3 plates.
4. VERRILL, Addison Emory. The Nudibranchs and naked Tectibranchs of the Bermudas. Vol. 10 (part 2, September, 1900), pp. 545-550. 1 plate.

Nos. 3, 4 were also issued, stitched together, September, 1900, (50 cents) and are only contained in copies of this work marked "Extra Edition".

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5. VERRILL, Addison Emory. Additions to the Anthozoa and Hydrozoa of the Bermudas. Vol. 10 (part 2, September, 1900), pp. 551-572. 3 *plates*.
6. VERRILL, Addison Emory. Additions to the Crustacea and Pycnogonida of the Bermudas. Vol. 10 (part 2, September, 1900), pp. 573-582. 1 *plate*.
7. VERRILL, Addison Emory. Additions to the Echinoderms of the Bermudas. Vol. 10 (part 2, September, 1900), pp. 583-587.
8. VERRILL, Addison Emory. Additions to the Tunicata and Molluscoidea of the Bermudas. Vol. 10 (part 2, October, 1900), pp. 588-594. 1 *plate* and 4 *illustrations*. Nos. 5-8 were also issued, stitched together, Oct., 1900. 50 cents.
9. VERRILL, Addison Emory. Additions to the Turbellaria, Nemertina, and Annelida of the Bermudas, with Revisions of some New England genera and species. Vol. 10 (part 2, November and December, 1900), pp. 595-672. 1 *plate* and 2 *illustrations*. Also issued separately. 50 cents.
10. VERRILL, Addison Emory. Additions to the Fauna of the Bermudas from the Yale Expedition of 1901, with Notes on Other Species. Vol. 11 (part 1, October, 1901), pp. 15-62. 9 *plates* and 6 *illustrations*. Also issued separately. 50 cents.
11. VERRILL, Addison Emory. Variations and Nomenclature of Bermudian, West Indian, and Brazilian Reef Corals, with notes on various Indo-Pacific Corals. Vol. 11 (part 1, October to December, 1901), pp. 63-168. 26 *plates* and 8 *illustrations*.
12. VERRILL, Addison Emory. Comparisons of the Bermudian, West Indian, and Brazilian Coral Fauna. Vol. 11 (part 1, December, 1901), pp. 169-206. 7 *illustrations*. Nos. 11 and 12 were issued, stitched together, December, 1901. \$1.75.
13. BANKS, Nathan. Some Spiders and Mites from the Bermuda Islands. Vol. 11 (part 1, January, 1902), pp. 267-275. 3 *illustrations*. Also issued separately. 10 cents.
14. RICHARDSON, Harriet. The Marine and Terrestrial Isopods of the Bermudas, with Descriptions of new Genera and Species. Vol. 11 (part 1, January, 1902), pp. 277-310. 4 *plates*. Also issued as author's separate. 25 cents.
15. VERRILL, Addison Emory. Notes on the Geology of the Bermudas.
This is the author's separate of the article which appeared in the *American Journal of Science*, Fourth series, vol. 9 (no. 53, May, 1900), pp. 313-340, with 11 *illustrations* and 1 *map*.
16. VERRILL, Addison Emory. The Story of the Cahow, the Mysterious Extinct Bird of the Bermudas.
This article originally appeared in *Popular Science Monthly*, Vol. 60 (no. 1, November, 1901), pp. 22-30, with 1 *illustration*.
17. VERRILL, Addison Emory. The "Cahow" of the Bermudas, an Extinct Bird.
This article first appeared in the *Annals and Magazine of Natural History*, Series 7, vol. 9 (no. 49, January, 1902), pp. 26-31.
18. VERRILL, Alpheus Hyatt. Additions to the Avifauna of the Bermudas with diagnoses of two new Sub-species.
This article made its first appearance in the *American Journal of Science*, Fourth series, vol. 12 (no. 67, July, 1901), pp. 64-65.
19. RECENT Papers relating to the Fauna of the Bermudas, with Some Corrections.

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Verrill, Addison Emory. (*Continued.*)

This article relates to the first nine papers of this volume and may be found in the *American Journal of Science*, Fourth series, vol. 11 (no. 64, April, 1901), pp. 326-330. On p. 331 is a notice of the new edition of *Webster's International Dictionary*, in which the statement is made that "Over sixty species of the fishes of Porto Rico, Jamaica, Cuba, and the Bermudas are illustrated by cuts".

Nos. 1-9 of the above papers have already appeared in this bibliography under *Connecticut Academy of Arts and Sciences*, with lists of the new species recorded therein; and nos. 15 and 16 will also be found under the names of their respective periodicals; the remaining numbers will be more fully described in the *Addenda*.

Vick's Monthly Magazine. Rochester. 8°.

BERMUDA. Vol. 8 (no. 4, April, 1885), p. 121. Y^B (931)

NOTE.—Notice of, and extract from Mrs. Julia C. R. DORR'S *Bermuda*.

ON the Sea Shore at Bermuda. Vol. 8 (no. 12, December, 1885), p. 385. Y^B (932)

NOTE.—An extract from Mrs. DORR'S *Bermuda*.

Virginia Magazine of History and Biography. Richmond. 8°.

STANARD, William Glover. Edward Waters. [A Biographical and Genealogical Sketch.] Vol. 1 (no. 1, July, 1893), p. 92-93. A^S (933)

NOTE.—This article is number 22 of an "Abstract of Virginia Land Patents." Prepared by W. G. Stanard. Waters was one of Washington Irving's "The Three Kings of Bermuda." His name is mentioned in SMITH'S *Generall Historie* as one of the three men who were left on the islands when Sir George Somers's body was carried back to England in 1611. After several adventures between 1614 and 1617 he went to Virginia in the latter year where he determined to remain. He married there and died in 1628 leaving a son and daughter.

KIDNAPPING Maidens, to be sold in [the Bermudas and] Virginia, 1618. (Abstract from English Pub. Record Office, by W. N. Sainsbury.) Vol. 6 (no. 3, January, 1899), p. 228-230. A^S (934)

NOTE.—This relates to the case of Owen Evans who was arrested for pressing divers maidens to be sent to the Bermudas and Virginia, there to be sold as servants.

Wallace, Alfred Russel. The Geographical Distribution of Animals with a Study of the Relations of Living and Extinct Faunas as elucidating the Past Changes of the Earth's Surface. London, 1876. 2 vols., 8°.

NOTE.—Under the heading "Islands of the Alleghany Sub-region" he speaks of the Bermudas (vol. 2, p. 134-135), as follows:—

"These islands, situated in the Atlantic, about 700 miles from the coast of Carolina, are chiefly interesting for the proof they afford of the power of a great variety of birds to cross so wide an extent of ocean. There are only six or eight species of birds which are permanent residents on the islands, all common North American species; while no less than 140 species have been recorded as visiting them. Most of these are stragglers,

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many only noticed once; others appear frequently and in great numbers, but very few, perhaps not a dozen, come every year, and can be considered regular migrants. The permanent residents are, a greenlet (*Vireo noveboracensis*), the cat-bird (*Galeoscoptes carolinensis*), the blue bird (*Sialia sialis*), the cardinal (*Cardinalis virginianus*), the American crow (*Corvus americanus*), and the ground dove (*Chamaefelia passerina*). The most regular visitants are a kingfisher (*Ceryle alcyon*), the wood-wagtail (*Siurus noveboracensis*), the rice-bird (*Dolichonyx oryzivorus*), and a moor-hen (*Gallinula galeata*). Besides the American species four European birds have been taken at the Bermudas: *Saxicola enanthe*, *Alauda arvensis* (perhaps introduced), *Crex pratensis*, and *Scolopax gallinago*."

"A common American lizard, *Plestiodon longirostris*, is the only land reptile found on the islands."

In the New York edition, of the same year, the paging is identical. Mr. G. Brown Goode, in *Nature*, vol. 17 (no. 439, March 28, 1878), p. 425, differs from this author in calling the *Plestiodon longirostris*, "a common American lizard."

Wallace, Alfred Russel. *Island Life; or, The Phenomena and Causes of Insular Faunas and Floras, including a Revision and Attempted Solution of the Problem of Geological Climates.* London, 1880. 8°.

NOTE.—The author devotes pp. 253-264 to Bermuda, using, to illustrate his subject, a "Section of Bermuda and adjacent sea-bottom," and a tinted map showing depths of 1,000 fathoms more or less. Among the topics touched upon are: Description and Formation; The Red Clay Zoology; Birds, with a list of ten resident birds; Comparison of the Bird-faunas of Bermuda and the Azores; Insects; Land Mollusca, with a list of twenty species; Flora; Concluding Remarks.

Wallace, Alfred Russel. *Island Life, etc.* New York, 1881. 8°. Bn^u (937)

NOTE.—The pagination varies slightly from the English edition. Part II. of this work treats of Insular Faunas and Floras; Chapter 12 relates to Oceanic Islands; and pages 249-260 in this chapter to Bermuda.

Webster, William H. B. *Narrative of a Voyage to the Southern Atlantic Ocean, in the Years 1828, 29, 30, performed in H. M. Sloop Chanticleer, under the Command of the late Captain Henry Foster.* London, 1834. 2 vols., 8°. Y^u (938)

TIARK, I. L. *Results of the Chronometer Observations. Dr. Tiark's Report on Captain Foster's Chronometrical Observations in H. M. S. Chanticleer, to Captain F. Beaufort, R. N., Hydrographer to the Admiralty.* Vol. 2, pp. 225-241, 243, 250, 251, 252, 254.

NOTE.—The narrative of the voyage closes abruptly with the death of Captain Foster, who was accidentally drowned in the river Chagres. "The *Chanticleer* sailed from Chagres on the 11th of February for Porto Bello, for the purpose of getting observations for the chronometers. From this place she finally sailed on the 13th following, and after getting the same observations off the east end of Jamaica, Cuba, Crooked Island, Bermuda, and St. Michaels, arrived in Falmouth on the 17th of May, 1831, and was paid off at Sheerness on the 9th of June following."—p. 208.

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Wesleyan-Methodist Magazine; being a Continuation of the Arminian or Methodist Magazine. London. 8°.

NOTE.—This magazine was known by several names, as follows: 1. The Arminian Magazine; 1778-1797 (20 vols.). 2. The Methodist Magazine; 1798-1821 (24 vols.). 3. The Wesleyan-Methodist Magazine; 1822-1844 (23 vols.).

The Wesleyan-Methodist Missionary Society appointed missionaries to Bermuda from 1800 to 1850, as follows:—

John Stephenson, 1800; Francis Hallett, optional, 1802; James Lowry, 1803; William Black, 1804, 1806; Joshua Marsden, 1807-1810; James Dunbar, 1811-1812; William Coultas, 1813; William Wilson, Jr., 1814-1817; Moses Rayner, 1814-1815; William Ellis, 1816; William Sutcliffe, 1817-1819; James Dunbar, 1820-1822; William Dowson, 1823-1824; Roger Moore, 1825-1827; James Howe, 1828-1831; J. Edmondson, Jr., 1832; John Crofts, 1830-1833; John Barry, 1834-1835; Thomas Richardson, 1834-1835; Theophilus Pugh, 1836-1841; Samuel S. Johnstone, 1836; Thomas Jeffery, 1837-1840; James Walton, 1842; William E. Shenstone, 1843-1845; Thomas Smith, 1846-1850; John B. Brownell, 1846-1850; William Ritchie, 1847-1848; James Aldis, 1849; George Douglass, 1850.

John Stephenson, the first missionary, was arrested for preaching the Gospel to the negroes and thrown into prison where he remained for six months. Francis Hallett and James Lowry did not go to Bermuda, perhaps being deterred by the treatment received by Stephenson. William Black started, but when the captain of the vessel upon which he had engaged passage and the passengers discovered that he was a Methodist missionary they refused to allow him to proceed in the vessel. The later missionaries wrote letters giving accounts of their labours which were printed in this magazine, as given below.

From 1819-1821, Bermuda was in the Missionary District of Antigua; from 1822-1833, in the Bahama District; from 1834-1843, in the Antigua District; from 1844-1849, in the Bahama District; and in 1850 it was placed in the Nova Scotia District in which it has since remained.

EXTRACT of a Letter from a Friend in Bermuda, to Mr. William Black, dated July 20, 1805. Vol. 29; new series, vol. 3 (1806), pp. 237-238. J^F (939)

MARSDEN, Joshua. [Letters, by himself and others, relating to his Missionary Labors in Bermuda.] Vol. 31; new series, vol. 5 (1808), pp. 331-332; 523-527. J^F (940)

Vol. 32; new series, vol. 6 (1809), pp. 46-47; 263-265 441-442.

Vol. 33; new series, vol. 7 (1810), 44-46; 206-207 405-406.

Vol. 34; new series, vol. 8 (1811), p. 797.

Vol. 35; new series, vol. 9 (1812), pp. 156 and 636.

DUNBAR, James. [Letters, relating to his Missionary Labors in Bermuda.] Vol. 37; new series, vol. 11 (1814), pp. 951-952. J^F (941)

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- WILSON, William. [Letters, relating to his Missionary Labors in Bermuda.] Vol. 38; new series, vol. 12 (1815), p. 636. J^F (942)
 Vol. 39; new series, vol. 13 (1816), pp. 791-792.
 Vol. 40; new series, vol. 14 (1817), pp. 551-552.
- SUTLIFFE, William. [Letters, relating to his Missionary Labors in Bermuda.] Vol. 41; new series, vol. 15 (1818), pp. 391-392. J^F (943)
- DUNBAR, James. [Letters, *etc.*] Vol. 44; new series, vol. 18 (1821), p. 875. J^F (944)
- DOWSON, William. [Extracts from his Letters.] Vol. 47; third series, vol. 3 (1824), pp. 633-634. J^F (945)
 Vol. 48; third series, vol. 4 (1825), p. 348.
- NOTE.—For a portrait of Dowson see vol. 52; third series vol. 8 (1829), p. 289.
- ESTEN, James Christie. [Address at the Annual Meeting of the Wesleyan-Methodist Missionary Society, April 29, 1825, on the Progress of Missionary Work in the Bermudas.] Vol. 48; third series, vol. 4 (1825), pp. 421-422. J^F (946)
- NOTE.—The speaker was Chief Justice of the Bermudas.
- ESTEN, James Christie. [Speech delivered at the Twenty-first Annual Anniversary of the British and Foreign Bible Society, May 4, 1825, on the Bible Society of Bermuda.] Vol. 48; third series, vol. 4 (1825), pp. 549-550. J^F (947)
- FRAZER, Edward. [Letter from "Edward Frazer of Bermuda, a man of colour, and a slave."] Vol. 50; third series, vol. 6 (1827), pp. 782-784, 851-853; *also* vol. 51; third series, vol. 7 (1828), pp. 56-58. J^F (948)
- MOORE, Roger. [Extract from his Letter.] Vol. 51; third series, vol. 7 (1828), p. 58. J^F (949)
- BARRY, John. [Extract from his Letter.] Vol. 57; third series, vol. 13 (1834), pp. 873-874. J^F (950)
- NOTE.—At the Anniversary Meeting of the Wesleyan-Methodist Missionary Society, held in May, 1834, we find that: "The Chairman . . . read some extracts from a letter which the Secretaries had just received from Bermuda, announcing the intention of the Legislature forthwith to abolish slavery in that colony, without the intermediate measure of a temporary apprenticeship."—p. 469.
- PUGH, Theophilus. [Extract from his Letter.] Vol. 65; third series, vol. 21 (1842), p. 707. J^F (951)
- Yachting Monthly Magazine, The.** London. 8°. 1898.
- MITCHELL, Colonel Edward. Yachting in and Reminiscences of Bermuda. Vol. 2 (no. 10, December, 1898), pp. 431-441. 3 *illustrations* and 1 *plate*. (952)
- NOTE.—The following topics are touched upon: Bermuda; Location; Early History; Number; Size; Blockade Running during the Civil War; Its Effect

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Yachting Monthly Magazine The. (*Continued.*)

upon Bermuda; Royal Bermuda Yacht Club; The Bermuda Yacht; Shape and Rig; Matches; Dinghy Club; The Dinghy, the Racing Boat *par excellence*; Accidents Rare; One of Them; Fish and Fishing; Shooting; Birds; The Cahoo.

There are illustrations of the *Undine*, R. Bermuda Y. C., and also of the *Triangle* and *Thetis* (24-Footers).

Ymer. Tidskrift utgifven af Svenska Sällskapet för Antropologi och Geografi. Stockholm. 8°.

FORRSTRAND, Carl W. Bermudas-öarna. Berättelse, afgifven till Svenska Sällskapet för Antropologi och Geografi, öfver en, med anslag af dess Vegastipendium utförd resa. I., (1889), pp. 113-121; II., (1890), pp. 65-74. 1 map, facing p. 128. Y^o (953)

NOTE.—This article forms the basis of the author's later work, *Bland Oleander och Liljor*, Stockholm, [1895], roy. 8°. [viii]+122 pp. and cover-title. 15 plates, 5 head-pieces, and 1 folding map.

Reference to this article appears at pp. 77-78 of Ymer for 1892. See also Ymer, 1888, Sällskapets förhandlingar, p. v-vii.

Young, Charles G. The Stalk-Eyed Crustacea of British Guiana, West Indies, and Bermuda. London, 1900. 8°. xix+514 pp. 7 colored plates. (954)

NOTE.—29 Bermudian species are described as follows: *Podochela* (*Coryrhynchus*) *reisei*, p. 16-17; *Microphrys bicornutus*, p. 73-74; *Macrocaloma trispinosa*, p. 75-76; *Mithrax* (*Nemausa*) *rostrata* A. Milne Edwards, p. 87; *M. (Mithrax)* *forceps*, p. 96-97; *Lophactea lobata*, p. 121-123; *Panopeus herbstii*, p. 131-134; *Eurytium limosum*, p. 149-151; *Lobopilumnus agassizii*, p. 164-165; *Eriphia gonagra*, p. 168-169; *Neptunus (Achelous) depressifrons*, p. 183; *Callinectes hastatus* Ordway, (this and the following according to A. Milne Edwards, are only varieties of *Callinectes diacanthus*), p. 187-188, plate III.; *C. ornatus*, p. 188; *Geocarcinus lagostoma* H. Milne Edwards, p. 241-242; *Cardiosoma guanhumi*, p. 246-247; *Geryon incertus* Miers, (Bermuda only), p. 260; *Goniopsis cruentatus*, p. 278-279; *Grapsus maculatus*, p. 280; *Pachygrapsus transversus*, p. 284-285; *Calappa gallus*, p. 303-304; *C. marmorata*, p. 304; *Remipes scutellatus*, p. 348; *Parapagurus pilosimanus* = *P. abyssorum* Henderson (?), p. 386; *Petrolisthes armatus*, p. 393-394; *Nephropsis rosea*, (Bermuda only), p. 445-449; *Stenopus hispidus*, p. 448-449; *Alpheus bermudensis* Spence Bate, (Bermuda only), p. 463; *Brachycarpus savignyi* Spence Bate, (Bermuda only), p. 490-491; *Gonodactylus chiragra*, p. 500.

To the above should have also been added *Latreutes ensiferus* (see our no. 169).

Zoological Society of London. Proceedings of the Scientific Meetings. London. 8°.

JONES, John Matthew. Extracts from the 'Bermuda Royal Gazette' of Jan. 31st, 1860, relating to the recent capture of a large species of *Gymnetrus* in the Bermudas. Vol. 28 (no. 428, March 13, 1860), pp. 185-187.

NOTE.—See also Bermuda Royal Gazette, January 24, 1860. "My best thanks are due to Mr. George Trimmingham, the capturer, for the generous manner in which he placed the fish at my disposal."—p. 187.

Bermuda in Periodical Literature.

"This is [a description of] the great 'Sea-serpent' which came ashore at Hungary Bay in the winter of 1860. . . . Portions of this specimen, which measured 16 feet and 7 inches in length, are preserved in the British Museum. . . . The well-identified specimens of the species are all from the Mediterranean, the largest 9-12 feet long . . ." GOODE's *Catalogue of the Fishes of the Bermudas* (1876), p. 63.

TRISTRAM, Rev. Henry Baker. Catalogue of a Collection of Mollusks from Bermuda. Vol. 29 (no. 26, December 10, 1861), pp. 403-405. Y^A (956)

NOTE.—The writer was Acting Naval and Military Chaplain at Ireland Island, Bermuda, from 1847-1849. While there he made a collection of 143 species of mollusks which are here catalogued.

"The only attempt at an enumeration of the Mollusks [of the Bermudas], so far as I am aware, [is] a meagre list by Dr. Temple Prime of New York, slightly enlarged by Mr. Jones, in his interesting little work 'The Naturalist in Bermuda.'"—p. 403.

SMITH, Edgar Albert. An account of the Land and Freshwater Mollusca collected during the Voyage of the 'Challenger' from December, 1872, to May 1876. [Received April 4, 1884.] Vol. 52 (nos. 18-19, May 6, 1884), pp. 258-281. Y^N (957)

NOTE.—"BERMUDA. All the terrestrial mollusks obtained at this locality are well-known forms, but one, the common European *Limax gagates*, has not, I believe, been previously recorded from this island. The other species are: *Helix bermudensis* Pfeiffer; *H. circumfirmata* Redfield; *H. microdonta* Deshayes; *H. vortex* Pfeiffer; *Bulinus ventrosus* Férussac; *Succinea bermudensis* Pfeiffer; *Helicina convexa* Pfeiffer; and *Melampus gundlachi* Pfeiffer."—p. 276-277.

Zoologische Garten, Der. Zeitschrift für Beobachtung, Pflege und Zucht der Thiere. Frankfurt am Main. 8°.

REIN, J. G. Fauna der Bermuda-Inseln. Aus einem Briefe des Herrn J. G. Rein an den Herausgeber. [dated] Bermuda-Inseln, den 16 März, 1862. Vol. 3 (no. 6, Juni, 1862), pp. 141-143. P^A (958)

NOTE.—The writer quotes the following lines from Longfellow's poem "Seaweed":—

"When descends on the Atlantic
The gigantic
Storms-wind of the equinox,
Landward in his wrath he scourges
The toiling surges
Laden with seaweed from the rocks.
From Bermuda's reefs, from edges
Of sunken ledges
In some far-off, bright Azore,
From Bahama, and the dashing
Silver flashing
Surges of San Salvador."—p. 143.

[Briefliche Nachricht aus den Bermuda-Inseln.] Erwähnt einige Vogelarten, p. 143.

Zoologisches Centralblatt. Leipzig. 8°.

LUDWIG, H. Clark, Hurbert Lyman. Notes on the Echinoderms of Bermuda. Vol. 6 (no. 7, 4 April, 1899), p. 239. Y^A (959)

Bermuda in Periodical Literature.

Zoologisches Centralblatt. (Continued.)

NOTE.—A notice (5 lines) of the article in the *Annals* of the **New York Academy of Sciences**, vol. 11 (no. 19, September, 1898), pp. 407-413, which we have already recorded.

LUDWIG, H. Clark, Hubert Lyman. Further Notes on the Echinoderms of Bermuda. Vol. 7 (no. 6, 20 März, 1900), p. 137. Y^A (960)

NOTE.—A notice (14 lines) of the article in the *Annals* of the **New York Academy of Sciences**, vol. 12 (no. 7, July 7, 1899), pp. 117-138.

Zoologist, The: a Popular Miscellany of Natural History. London. 8°.

WEDDERBURN, Col. John Walter (not J. N.). Occurrence of the Landrail (*Crex pratensis*) in Bermuda. Vol. 7 (no. 9, October, 1849), p. 2591. Y^c (961)

NOTE.—“Occurrence of the Landrail (*Crex pratensis*) in Bermuda.—When out in quest of ornithological specimens, on the 25th of October, 1847, I was very much surprised by starting a bird with whose flight I was quite familiar. I shot it, and it proved to be a landrail, a male bird of the year. This bird was very fat. What could have driven it so far west?—J. N. Wedderburn, Auchter House, Dundee, September 10, 1849.”

JONES, John Matthew. Spider Silk. Vol. 16 (no. 2, February, 1858), p. 5922. Y^c (962)

NOTE.—“Spider Silk.—Seeing notice (Zool. 5835) concerning the silk obtained from a species of spider, a native of Austria, I beg to say that in the Bermudas, some three years ago, I obtained silk from the large spider of those islands (*Epeira clavipes*), which was so strong that I could wind the single thread, from the insect itself, on a piece of paper, just as I would wind cotton upon a reel. This is the species of spider that forms its web between cedar trees, often ten feet apart; and in this formidable net, composed of the silk I have mentioned, are captured a large and powerful species of Cicada (*Fidicina Tibicen*), and sometimes even the little bird locally named ‘chick of the village’ (*Vireo noveboracensis*). I may also add that the Mudian ladies use this silk for sewing purposes. I had this latter fact from an old lady who had been a resident in the Bermudas all her life. J. M. Jones, November 12, 1857.”—p. 5922.

HAWTAYNE (not Hawtaigne), Captain W. H. Wilson. A Sea Serpent in the Bermudas. Vol. 18 (no. 4, April, 1860), pp. 6934-6935. Y^c (963)

NOTE.—An account of the capture, with a description, of the sea serpent captured by the Trimingham.

“Written by Captain Hawtaigne, of Her Majesty’s 39th Foot. I place implicit reliance on the narrative, except as to the animal being identical with that seen by Captain McQuhae, of which I think there is no evidence. Mr. J. M. Jones is an old subscriber of the ‘Zoologist,’ and a most intelligent naturalist; but the query occurs to me, ‘Is not *this* sea serpent a ribbon fish?’—E[dward] N[ewman, Editor of the Zoologist].”—p. 6935.

JONES, John Matthew. An account of the Bermudian Ribband Fish. Vol. 18 (no. 5, May, 1860), pp. 6986-6989. Y^c (964)

Bermuda in Periodical Literature.

NOTE.—“I have received the following particulars of this most interesting capture from an old and valued correspondent of the ‘Zoologist’. It must be read in connection with a previous note on the same animal in the April number of the ‘Zoologist’ [by Captain Hawaitagne] (Zool. 6934).—Edward Newman [Editor of the Zoologist].”—p. 6986.

This is a scientific description of the sea serpent captured at Hungry (not Hungary) Bay, by Mr. George Trimmingham, in the winter of 1860.

NEWMAN, Edward. Note on an Ophiod Fish lately taken in the Island of Bermuda, which appears to be new to Science. Vol. 18 (no. 5, May, 1860), pp. 6989-6993. Y (965)

NOTE.—This is an article upon the class of fishes to which Mr. Jones’s *Gymnetrus* belongs; the family *Cepolidae* or ribband fishes. The writer proposes “for the Bermudian fish the name of *Regalecus Jonesii*, as a well-merited tribute to the zeal and industry of the accomplished naturalist who has favored me with the description.”—p. 6992.

[NEWMAN, Edward.] ‘The Naturalist in Bermuda a Sketch of the Geology, Zoology and Botany of that Remarkable Group of Islands.’ By John Mathew [sic.] Jones, Esq., of the Middle Temple. London: Reeves and Turner, 238 Strand. 1859. Post 8vo. 192 pages letterpress, with a Map and a few Wood cuts. Vol. 18 (no. 6, June, 1860), p. 7030. Y^c (966)

NOTE.—“An interesting and unpretending book, exhibiting a true love of Nature, and a total disregard of self. Little indeed was known of the Natural History of the Bermudas, and even now we wish to know more. The situation of the Bermudas, so well adapted as a resting-place for birds on their migratory tours, offers abundant opportunity for observation. In the list of birds observed by our author it is pleasing to meet with many whose names are so familiar at home. Mr. Jones is again about to return to England from these interesting islands, where amidst other valuable knowledge acquired, it appears he has already done much towards unravelling the mystery of the sea serpent. I look forward with great interest to a second series, or at least a second edition, of the ‘Naturalist in Bermuda.’”—p. 7030.

JONES, John Matthew. A New Fish. 2d series, vol. 9; whole no., vol. 32 (no. 1, January, 1874), pp. 3837-3838. Y^c (967)

NOTE.—This fish was sent by Governor Lefroy to the writer, who describes it very fully. “I am led,” says he, “to believe, after careful examination of the specimen, that in the prominent anal it possesses a feature which may possibly require the establishment of a new genus for its reception, and should such prove to be the case I propose to publish it as *Lefroyia Bermudensis*, in compliment to the gallant officer to whom I am indebted for the specimen.”—p. 3838.

REID, Philip Savile Grey. The Birds of the Bermudas. 3d series, vol. 1 (no. 10, October, 1877), pp. 393-424 and (no. 11, November, 1877), pp. 473-493. Y^c (968)



Bermuda in Periodical Literature.

Zoologist, The. (Continued.)

NOTE.—The author was in Bermuda from March 30, 1874, to June 3, 1875, during which his observations were made.

"Rejecting doubtful occurrences, one hundred and eighty-one (181) species are known to have occurred in the Bermudas up to June 3d, 1875. Since then two more species, *Certhia familiaris* and *Limosa hudsonica*, have been added."—p. 395.

"These notes on the Ornithology of the Bermudas were originally published in ten different numbers of *The Field*, in July, August, and September, 1875. They are now reprinted, with corrections and numerous additions by Lieut. H. Denison, R. E., F. Z. S., who, has kindly assisted the author in revising them."—p. 393 note.

ADDENDA.

Academy of Natural Sciences. Proceedings. Philadelphia. 8°.

HEILPRIN, Angelo. The Corals and Coral Reefs of the Western Waters of the Gulf of Mexico. Vol. 42; 3d series, vol. 20 (1890) pp. 303-316. Y^e (969)

NOTE.—The writer makes some references to the Bermudas in this paper. See pp. 305, 307, 308, 311, 313, and 315.

VANATTA, Edward G. New Marine Mollusks. Vol. 53; 3d series, vol. 31, (1901), pp. 182-187. 1 plate. Y^e (970)

NOTE.—Also issued, May 2, 1901, as an author's separate with cover-title. Seven species are here described, one of which is ascribed to Bermuda: *Tornatina bermudensis*, n. sp., p. 183, plate 5, figs. 6, 7. "Type in the collection of the Academy of Natural Sciences of Philadelphia, no. 70, 160, collected by Prof. Angelo Heilprin."

MOORE, John Percy. Some Bermuda Oligochaeta, with a Description of a New Species. Vol. 54 (part 1, January to April, 1902), pp. 80-84. 2 illustrations. Y^e (971)

NOTE.—This paper, presented February 25 (see p. 24), is based upon the collections of Oligochaeta made by Prof. Verrill during his two visits to Bermuda in the summers of 1898 and 1901. Only six species had hitherto been recorded from this locality, in several of Beddard's papers. Nine species are here included, as follows: *Euchytæus marinus* sp. nov., with fig.; *Pontodrilus arena* Mich.; *Pheretima schmarda* (Horst) Mich.; *P. rodericensis* (Gerube) Mich., with fig.; *Eudrilus eugenia* (Kinberg) Mich.; *Onychochaeta windlei* Bedd.; *Eisenia fetida* (Sav.) Mich.; *Helodrilus (Allolobophora) chloroticus* (Sav.) Mich.; *Helodrilus* sp.

GULICK, Addison. The Fossil Land Shells of Bermuda. Vol. 56 (pt. 2, April to August, 1904), pp. 406-425. 1 plate and 3 maps (in the text). Y^e (972)

NOTE.—This article is No. 2 of the *Contributions from the Bermuda Biological Station for Research*. The following 25 species, 19 of which are peculiar to Bermuda, are noted: *Thysanophora vortex* Pfr.; *T. hypolepta* 'Shuttle' Pils.; *Polygyra microdonta* Desh.; *Strobilops hubbardi* Brown; *Vertigo numellata* n. sp., plate 36, fig. 6; *V. marki* n. sp., plate 36, fig. 7; *Bifi-*

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daria rupicola Say; *B. servilis* Gld.; *B. jamaicensis* C. B. Ad.; *Pupoides marginatus* Say; *Carychium bermudense* n. sp., plate 36, figs. 11, 12; *Pacillozonites nelsoni* (Bld.) ; *P. nelsoni* var. *callosus* n. var., plate 36, fig. 5; *P. cupula* n. sp., plate 36, fig. 2; *P. dalli* n. sp., pl. 36, fig. 1; *P. bermudensis* Pfr.; *P. bermudensis* var. *zonatus* Verr., plate 36, fig. 3; *P. reinianus* Pfr.; *P. circumfirmatus* Redf.; *P. circumfirmatus* var. *discrepans* Pfr.; *Euconulus turbinatus* n. sp., plate 36, figs. 8, 9, 10; *Zonitoides minusculus* Binn.; *Z. bristoli* n. sp., plate 36, fig. 13; *Succinea bermudensis* Pfr.; *Helicina convexa* Pfr.

African] M[ethodist] E[piscopal] Review, The. Philadelphia. 8°.

PHILLIPS, Henry L. Bermuda. Vol. 18 (no. 71, January, 1902), pp. 254-261. (973)

NOTE.—A general description with an enumeration of the places of interest and the things to be seen at each. "With no steam cars or trolleys time is necessarily slow. But that is in keeping with the life of the whole people. There is no hurry; no rush. Longevity is common. There is an absence of care on the faces of the natives that is delightfully refreshing. They enjoy life."

American Geographical Society. Bulletin. New York. 8°.

GREENE, W. [not J.] Maxwell. Bermuda (*alias* Somers Inlands). Historical Sketch. Vol. 33 (no. 3, 1901), pp. 220-242. Y^o (974)

NOTE.—"Mainly taken from the *Memorials of the Discovery and Early Settlement of the Bermudas, etc.*, by Maj.-Gen. J. H. Lefroy. 2 vols. London, 1877-79." The *Memorials* only carry the history of the Islands down to 1687, when the islands having been taken away from the Bermuda Company, a Colonial Government was established. From page 229 onward the writer takes up the later history of Bermuda. The capture of Turks Island from the Spaniards in 1710; subjugation of the pirates of the Bahamas; Bishop Berkeley's scheme for a College on the islands; the gun powder sent from Bermuda to General Washington; first newspaper in the colony; slavery; hurricane of 1839; blockade running during the American Civil War; and a description of the islands, serve to make the article interesting reading.

BRISTOL, Charles Lawrence. Notes on the Bermudas. Vol. 33 (no. 3, 1901), pp. 242-248. 1 illustration and 1 map. Y^o (975)

NOTE.—A general description of the islands and their geological formation. "The government is almost if not the very last survivor of the form common to the early colonies in America, such as that of Virginia and Massachusetts. It is vested in a Governor and two councils, appointed by the Crown, and a House of Assembly chosen by qualified electors for seven years."

This and the previous article, by W. Maxwell Greene, are issued together in separate form (pp. 1-29), with a cover-title, dated June, 1901.

NEW WORK on Bermuda, A. Vol. 35 (no. 4, October, 1903), p. 398. Y^o (976)

Bermuda in Periodical Literature.

American Geographical Society. (Continued.)

NOTE.—A notice of Professor Verrill's work on the Bermuda Islands. "In text and illustrations the book is comprehensive and accurate, and is well adapted for a standard work of reference on the subject, and also to meet the needs of many visitors who are interested in the vegetation, the unusual forms of animal life, the grottoes, and many other aspects of the islands."

American Journal of Science and Arts. [Silliman's.] New Haven. 8°.

REMARKS on the chemical analyses of samples of soil from Bermuda, by his Excellency Major-General J. H. Lefroy, Governor and Commander-in-Chief. 46 pp. 8vo, 1873. 3d series, vol. 6; *Poole* vol. 106 (no. 36, December, 1873), p. 473. Y^c (977)

NOTE.—A book notice. "Major-General Lefroy adopts the conclusion of Professor Wyville Thomson, that the red soil, which occurs in some parts of the island, and contains very little lime, is a result of the solution and removal of the carbonate of lime of the coral rocks and the consequent leaving behind of all insoluble matters which the seawater and organic sources may have contributed to it, with perhaps some extraneous additions." The white soil of the island is mainly carbonate of lime.

MURRAY, John. On the Sea-bottom Deposits observed during the Cruise of the Challenger in a report to Prof. Wyville Thomson. 3d series, vol. 12; *Poole* vol. 112 (no. 70, October, 1876), pp. 255-270. Y^c (978)
NOTE.—The coral-mud about Bermuda is described on pages 259 and 260.

VERRILL, Addison Emery. Notes on the Geology of the Bermudas. 4th series, vol. 9; *Poole* vol. 159 (no. 53, May, 1900), pp. 313-340. Y^c (979)

VERRILL, Addison Emery. Recent papers relating to the fauna of the Bermudas, with some corrections. 4th series, vol. 11; *Poole* vol. 161 (no. 64, April, 1901), pp. 326-330. Y^c (980)

NOTE.—This is a notice of 9 papers which appeared in Vol. 10, Part 2 of the *Transactions of the Connecticut Academy of Sciences*, pp. 491-672, and should be read in connection with those papers as it contains a summary of results with some important corrections.

VERRILL, Alpheus Hyatt. Additions to the Avifauna of the Bermudas with diagnoses of two new Subspecies. 4th series, vol. 12; *Poole* vol. 162 (no. 67, July, 1901), pp. 64-65. Y^c (981)

NOTE.—Also issued as a separate. This article gives a list of birds observed during a trip to the Bermudas, made from March 10 to May 9, 1901, that appear not to have been previously recorded, viz.: *Phaethon aethereus*, Red-billed Tropic-bird; *Larus glaucus*, Glaucus Gull; *Melanerpes Carolinus*, Red-bellied Woodpecker; *Passer montanus*, European Tree-sparrow (resident); *Carduelis carduelis*, European Goldfinch; *Spinus tristis*, American Goldfinch (resident); *Spizella monticola*, Tree-sparrow; *Sitta Carolinensis*, White-breasted Nuthatch; *Dendroica Pennsylvanica*, Chestnut-sided Warbler; *D. striata*, Black-poll Warbler; *D. Blackburnia*, Blackburnian Warbler; *Saxicola ananthe*, Wheatear (naturalized); *Mimus polyglottus*, Mocking Bird (resident).

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Identified from the local collection in the Public Library at Hamilton: Orchard Oriole; Thrasher or Brown Thrush; Blue Jay; Red-shouldered Hawk.

"The abundant resident Ground Dove proves to be the Bahama subspecies (*Columbigallina passerina Bahamensis*). It always has a black bill."

"The resident Bluebird is decidedly larger and brighter colored than the true *sialis*. It is a new subspecies: *Sialia sialis Bermudensis* A. H. Verrill."

"The resident cardinal bird of Bermuda also differs as a subspecies from the American forms: *Cardinalis cardinalis Somersetii* A. H. Verrill."

VERRILL, Addison Emery. A Remarkable Instance of the Death of Fishes, at Bermuda, in 1901. 4th series, vol. 12; *Poole* vol. 162 (no. 67, July, 1901), p. 88. Y^c (982)

NOTE.—During February and the fore part of March 1901, there was continued low temperature at Bermuda, at one time reaching 40° F. The sea water was cooled to such an extent as to prove fatal to numerous kinds of fish, which were thrown upon the shores in such numbers as to become offensive by their stench. Among the species observed; besides crabs, corals, etc.; were the hamlet grouper and squirrel fish, parrot-fishes of several kinds, small rock-fishes, hog-fishes, white grunts, large porcupine-fishes, trunk-fishes, cow-fishes, angel-fishes, rainbow-flounders, etc.; also large specimens of *Octopus*.

VERRILL, Addison Emery. Note on the Nomenclature of Bermuda Birds. 4th series, vol. 12; *Poole* vol. 162 (no. 72, December, 1901), pp. 470-471. Y^c (983)

NOTE.—The writer refers to the articles of A. H. Verrill, in this volume, and of Outram Bangs and Thomas S. Bradlee in *The Auk*, for July 1901, in which several of the well-known birds of the Bermudas are given as new species or sub-species, peculiar to Bermuda. Of the differences shown by these writers, he says: "To me it seems quite useless to regard these slightly differentiated forms as distinct 'species.' The differences noted in the Ground Dove, Catbird, and Vireo, are trivial and scarcely sufficient to constitute *varieties*. To consider them as 'sub-species' is certainly a sufficient strain on the much-stretched meaning of the term 'sub-species.' I should at most call these mere local varieties, scarcely differentiated."—p. 470.

SCIENTIFIC Intelligence. 4th series, vol. 13; *Poole* vol. 163 (no. 76, April, 1902), pp. 325-330. Y^c (984)

NOTE.—III. Botany and Geology. Here are noticed Professor Verrill's papers *Additions to the Fauna of the Bermudas*, p. 327; *Variations and Nomenclature of Bermudian . . . Reef Corals*, p. 327; and *Comparisons of Bermudian, West Indian, and Brazilian Coral Fauna*, pp. 127-128; Nathan Banks' *Some Spiders and Mites from the Bermuda Islands*, p. 328; Harriet Richardson's *Marine and Terrestrial Isopods of the Bermudas*, pp. 328-329; and George Watson Cole's *Bermuda and the Challenger Expedition*, p. 329.

IV. Miscellaneous Scientific Intelligence. Under this heading, is noticed *An Important Discovery in Color Photography*, made by A. H. Verrill, p. 329-330. Some Bermudian photographs were exhibited as the result of this new process.

SCIENTIFIC Intelligence. 4th series, vol. 14; *Poole* vol. 164 (no. 79, July, 1902), pp. 70-75. Y^c (985)

NOTE.—II. Geology and Natural History. Under this heading is noticed W. G. Van Name's *Ascidians of the Bermuda Islands*, pp. 74-75.

Bermuda in Periodical Literature.

American Monthly Review of Reviews. New York. 4°.

BOER PRISONERS, The. At Bermuda. Vol. 24 (no. 6, December, 1901), pp. 736-737. 1 map. A^s (986)

NOTE.—A short notice and quotations from an article in the November number of the *Pall Mall Magazine* on the Boer Prisoners at Bermuda by "a Resident" who is not a pro-Boer.

American Museum of Natural History. Bulletin. New York. 8°.

WHITFIELD, Robert Parr. Notice of a New Sponge from Bermuda and of Some Other Forms from the Bahamas. Vol. 14 (nos. 1, 2, January and February, 1901), pp. 47-50. 4 plates. Yⁿ (987)

NOTE.—Among a large number of sponges obtained at Bermuda the one here described and illustrated (in three of the four plates which accompany this article), and which is related to the monactinal tube sponge, *Siphonochalina papyracea* Schum., as labeled by Prof. A. E. Verrill in the Museum collection, so differs from the many specimens of that species examined that the writer determines it as a new species to which he gives the name *Siphonochalina stolonifera*. The writer notes another species from the same locality, as follows: "A dark purple form representing the common features of *Hircinia actua* was also obtained at Bird Key, east of Nassau, N. P., and a similar form, but soft and flexible, was collected in Harrington Sound, Bermuda, in March, 1895."—p. 49.

American Naturalist, The. An Illustrated Magazine of Natural History. Boston. 4°.

BOWDITCH, Harold. A List of Bermudian Birds seen during July and August, 1903. Vol. 38 (nos. 451-452, July-August, 1904), pp. 555-563. Y^A (988)

NOTE.—The writer's observations cover the interval between July 6 and August 22, 1903, during which time 21 species fell under his own eye. He also records 4 species seen by others during this period. Of those seen by himself he is only able to positively identify 14 species.

His gives more than a passing notice to *Phaeton americanus* Grant; *Corvus americanus* Aud.; *Progne subis* (?) Linn.; *Vireo noveboracensis bermudianus* Bangs and Bradlee; and *Sialis sialis* Linn.

To the article is appended an *Index of Scientific Names* and a *Bibliography*.

American Ornithology for the Home and School. Worcester. 8°.

VERRILL, Alpheus Hyatt. Yellow-billed Tropic Bird. (*Phaeton flavirostris*.) Vol. 1 (no. 7, July, 1901), pp. 134-137. 3 illustrations (one repeated on cover). Y^A (989)

NOTE.—The writer gives the range, description, nest and eggs, and habits of the bird.

"The Yellow-billed Tropical Bird, although found throughout the West Indies and in fact a large portion of Central and South America, is in no locality so abundant as in the Bermudas. Here protected by wise and strict laws, they come annually to breed in thousands." The author gives an interesting account of his efforts to secure photographs of these birds from life.

Bermuda in Periodical Literature.

Annals and Magazine of Natural History. London. 8°.

VERRILL, Addison Emery. The "Cahow" of the Bermudas, an Extinct Bird. Vol. 9, 7th series (no. 49, January, 1902), pp. 26-31. Y^A (990)

NOTE.—Also issued as author's separate.

TRISTRAM, Rev. Henry Baker. The "Cahowe" of the Bermudas. Vol. 9, 7th series (no. 54, June, 1902), pp. 447-448. Y^A (991)

NOTE.—A letter to the editors, in which the author opposes the conclusion reached by Professor Verrill, and maintains that the cahowe "is a shearwater and was certainly not extinct a few years ago. I was resident in Bermuda for three years, and the cahowe was well known by that name to the fishermen. Before I obtained the bird I mentioned it to Sir W. Jardine ('Contrib. to Ornithology,' 1849, p. 79). I, with the late Sir J. Campbell Orde, afterwards obtained both birds and eggs near Cooper's Island; so did Col. H. M. Drummond-Hay, Lieut. Col. Wedderburn, and afterwards Capt. Trotter, of Dereham Park; and (in 1874) Capt. Reid, R. E. Neither Mr. Hurdle nor Mr. Jones ('Naturalist in Bermuda,' p. 94) ever doubted for a moment that the cahowe was *Puffinus obscurus* (Gm.), with which Mr. Salvin rightly identifies *P. Auduboni*. . . . The characteristics of the cahowe, as given by Mr. Verrill, exactly fit the shearwater, and can fit no other bird."

Artizan, The. A Monthly Record of Progress. London. 4°.

VOYAGE of the Floating Dock to Bermuda, The. 4th series, vol. 4; whole no. 28 (no. 1, January, 1870), pp. 20-21. Y^A (992)

NOTE.—A detailed narrative of the voyage, taken from "an interesting account of this voyage . . . written by 'One of those on Board.'"

Athenæum, The. Journal of Literature, Science, the Fine Arts, Music, and the Drama. London. 4°.

MORGAN, E. Delmar. Hakluyt editing: a correction. [Vol. 100] (no. 3400, December 24, 1892), p. 891. Y^A (993)

NOTE.—This article calls attention to the then recent cataloguing of the Sloane Collection of MSS. including no. 750 which had been edited by Lefroy. Number 758, in the same collection, is in the same handwriting as no. 750, and is signed "Nath Butler," showing conclusively that Butler and not Captain John Smith was its author, as thought by Lefroy. Smith was never at Bermuda, but Butler is known to have visited Virginia in 1623 and probably met Smith there. Butler was governor of the Bermudas from 1619 to 1622 and of Providence Island from 1638-41.

Auk, The: A Quarterly Journal of Ornithology. Cambridge, Mass. 8°.

BANGS, Outram, and Bradlee, Thomas S. The Resident Land Birds of Bermuda. Vol. 18 (no. 3, July, 1901), pp. 249-257. Y^A (994)

Bermuda in Periodical Literature.

Auk, The. (Continued.)

NOTE.—"Apart from a few sea birds that breed in Bermuda, there are but some ten species of birds that are resident in the islands. Three of these—the House Sparrow, the European Goldfinch, and the Bob-white—have been introduced by man. Thus the indigenous ornithology of Bermuda includes but seven species of Land Birds—the Ground Dove, the Florida Gallinule, the Crow, the White-eyed Vireo, the Bluebird, the Catbird, and the Cardinal."

The following species are described: *Colinus virginianus* (Linn.), Quail, Bob-white; *Columbigallina bermudiana* Bangs and Bradlee, sp. nov.; Bermuda Ground Dove; *Gallinula galeata* (Licht.), Florida Gallinule; *Vireo bermudianus* Bangs and Bradlee, sp. nov.; Bermuda White-eyed Vireo, "Chick-of-the-village," "Chick-choo-willio"; *Corvus (americanus)* Aud. ?), Crow; *Galeoscoptes bermudianus* Bangs and Bradlee, sp. nov., Bermuda Catbird, "Blackbird"; *Sialia sialis* (Linn.), Bluebird; *Carduelis carduelis* (Linn.), Goldfinch; *Passer domesticus* (Linn.), House Sparrow; *Cardinalis bermudianus* Bangs and Bradlee, sp. nov., Bermuda Cardinal, "Red Bird."

For accepted changes in nomenclature growing out of this article see vol. 19 (no. 3, July, 1902), p. 318, no. 320b; and p. 326, no. 631b; and for species and sub-species not accepted, p. 337, 336.

Bermuda Biological Station for Research. Circulars, etc. 8°.

MARK, Prof. Edward Laurens, and BRISTOL, Prof. Charles Lawrence. A Biological Station at Bermuda. 4 pp. May, 1903. (995)

NOTE.—An announcement of the arrangements for the season of 1903, with "Further Information about the Bermuda Biological Station for Research during the Summer of 1903."

MARK, Prof. Edward Laurens, and BRISTOL, Prof. Charles Lawrence. The Bermuda Biological Station for Research, 1905. 3 pp. March, 1905. (996)

NOTE.—"The postoffice address of the station is *Flatts, Bermuda*."

Bermuda Biological Station for Research. Contributions. Various places. 8°.

NOTE.—The following comprises a complete list of the Contributions to date:—

1. COLE, Leon Jacob. Pycnogonida collected at Bermuda in the Summer of 1903. Proc. Bost. Soc. Nat. Hist., 31 (8); 315-328, pls. 20-22. July, 1904.
2. GULICK, Addison. The Fossil Land Shells of Bermuda. Proc. Acad. Nat. Sci. Phila., 56 (2); 406-425, pl. 36. June, 1904.
3. BOWDITCH, Harold. A List of Bermudian Birds seen during July and August, 1903. Amer. Nat., 38 (451, 452); 555-563. July-Aug. [Sept.], 1904.
4. COE, Wesley Roswell. The Anatomy and Development of the Terrestrial Nemertean (*Geonemertes agricola*) of Bermuda. Proc. Bost. Soc. Nat. Hist., 31 (10); 531-570, pls. 23-25. Nov., 1904.
5. BIGELOW, H. B. The Shoal-Water Deposits of the Bermuda Banks. Proc. Amer. Acad. Arts and Sci., 40 (15); 557-592, 4 maps. Feb., 1905.

Bermuda in Periodical Literature.

6. MARK, Edward Laurens. The Bermuda Islands and the Bermuda Biological Station for Research. Proc. Amer. Assoc. Adv. Sci., 54. 32 pp., 16 pls. Feb., 1905.
7. BARBOUR, Thomas. Notes on Bermudian Fishes. Bull. Mus. Comp. Zool. Harvard Coll., 46 (7); 107-134, 4 pls. Sept., 1905.
8. BLACKMAN, Maudslayi W. The Spermatogenesis of the Myriapods. IV. On the Karyosphere and Nucleolus in the Spermatocytes of *Scolopendra subspinipes*. Proc. Amer. Acad. Arts and Sci., 41 (13); 329-343. 1 folding pl. Sept., 1905.

Each of the above papers will be found more fully treated under the Institution responsible for its publication.

Bermuda Colonist, The. Hamilton, Bermuda. folio.

WRECK of the Madiana. Total Loss of Ship and Cargo. Passengers and crew safely landed.—Large part of passengers' baggage rescued.—Captain Fraser and his Second Officer still on the ship. February 11, 1903, p. 2, cols. 2, 3. (998)

NOTE.—On the morning of February 10, 1903, between 3 and 4 o'clock, the Quebec Steamship Company's steamer Madiana, Captain Roderick Fraser, having on board an excursion party of eighty-four, thirty-five of whom were ladies, struck the outer barrier reef about a mile and a half to the westward of North Rock. Though going at easy speed she broke some of her plates, through which the water entered. In five minutes her engine-room was flooded and the fires extinguished, and in fifteen minutes she filled and sank. After reassuring the terror-stricken passengers, the Captain sent up rockets, and flares were burnt in order to attract notice on shore. The wreck, however, was not discovered until daylight when the steamer Gladisfern left St. George's for the wreck, reaching there about 9 o'clock, but was compelled, because of her draught, to remain about a mile from the Madiana. About mid-day the steam barge Harry Packer, of lighter draught arrived, and was able to go along side of the wreck. The passengers and their baggage, as well as the mails, were transferred to the Gladisfern and reached Hamilton about 4 o'clock in the afternoon. The Madiana's entire company, numbering about one hundred and thirty-five persons escaped; no life was lost, and no serious accident occurred. A list of the passengers on board is appended to this account of the wreck.

Bermuda Pocket Almanack. Hamilton. 16°.

HINSON, Dr. H. J. Catalogue of Plants growing in Bermuda, both Wild and Cultivated, Collected from a list in the Public Library, compiled by Sir John H. Lefroy, and other sources. 1880, pp. 145-158. (999)

NOTE.—This list, which does not profess to contain all the plants growing wild in the islands, is reprinted from the Almanacks for 1878 and 1879. It contains 561 species and is arranged in parallel columns, giving Genera, Species, and Habitat.

READE, Oswald A. Additions to Catalogue of Plants growing in Bermuda. 1880, pp. 177-180. (1000)

NOTE.—This list, arranged by Genera and Species, Popular Names, etc., and Habitat, adds 167 species to Dr. Hinson's list.

Bermuda in Periodical Literature.

Bermuda Pocket Almanack. (Continued.)

OUR Illustrations. 1902, p. 73-74. (1001)

NOTE.—The Almanack for this, its 59th year, is marked by the introduction for the first time of a series of 32 full-page photogravure illustrations of the most important points of interest throughout the colony. They are as follows: Causeway and Swing Bridge; Cedar Avenue; Dockyard Gate; Easter Lilies; Front Street, Hamilton; Gibbs Hill Lighthouse; Gray's Bridge, Ireland Island; Hamilton and the Harbour; Hamilton Hotel; H. M. S. "Terror" in Dock; Ireland Island, A View of; Islands from Gibbs Hill; Lighthouse, St. David's; Moore's Calabash Tree; Mullet Bay, St. George's; Natural Arch, Tucker's Town; Old Church, Devonshire; Packing Onions; Parliament House and Gaol; Park, St. George's; Princess Hotel, Hamilton; Pyramid Rock; Residence of the Governor; Rocks at St. George's; Royal Palms, Pembroke; Silver Service, St. Peter's Church; St. George's; Stone Quarry; St. Peter's Church, St. George's; Springfield Avenue; Temple Rocks; and Victoria Park, Hamilton.

These were all reprinted in the Almanack for 1903.

Bird-Lore. An Illustrated Bi-Monthly Magazine devoted to the Study and Protection of Birds. Harrisburg and New York. 8.

FISHER, Albert Kenrick. The Osprey. Vol. 3 (no. 5, September-October, 1901), p. 178. Yⁿ (1002)

NOTE.—Speaking of articles in the May, June, and July, numbers of the *Osprey*, he says: "Notes on the Birds of the Bermudas, with Descriptions of Two New Subspecies (*Cardinalis cardinalis somersii* and *Sialia sialia bermudensis*), by A. H. Verrill. Mr. Verrill is unfortunate in losing both these subspecies for in the case of the Bluebird he overlooked the fact that Linnæus based his description on the Bermuda bird, and a description of the Cardinal by Bangs and Bradlee appeared in 'The Auk' fully two weeks before his paper was issued."

Professor Verrill points out later (*Connecticut Academy of Arts and Sciences*, Transactions, Vol. 11 (pt. 1, October, 1901), p. 58, that the writer of this note is mistaken in saying that Linnæus based his description on the Bermuda bird. "He gave it as from 'Bermudis & America calidore.'"

Boston Society of Natural History. Proceedings. Boston. 8°.

CLARK, Hubert Lyman. Bermudan Echinoderms. A Report on Observations and Collections made in 1899. Vol. 29 (no. 16, May, 1901), pp. 339-344. A^s (1003)

NOTE.—Also issued as a separate, with cover-title. This paper is based upon collections made by the New York University party in June and July, 1899, and that made by the author in April of the same year. It is mostly confined to statements regarding the abundance and localities where specimens have been collected, and is followed by a corrected list which differs in only two species from that given by the same writer in the *Annals of the New York Academy of Sciences*, vol. 12 (1899), pp. 117-138. One of these is a holothurian not previously described from this locality, *Holothuria rathbuni* Lampert (1885). The other relates to the *Stichopus diabolus* of Professor Heilprin. After a thorough investigation, the writer concludes, that: "Until some new evidence is introduced, I must regard *diabolus* and *xanthomela* as one species, and both names as synonyms of *möbii* Semp."

Bermuda in Periodical Literature.

- In a concluding note the author calls attention to Professor Verrill's paper in the *Transactions of the Connecticut Academy of Arts and Sciences* (vol. 10, pp. 584-587), in which "a large number of ophiuroids, not previously met with," are given.
- COLE, Leon Jacob. Pycnogonida collected at Bermuda in the Summer of 1903. Vol. 31 (no. 8, July, 1904), pp. 315-328. 3 plates (20-22), with 3 pp. *explanations*. A^s (1004)
- NOTE.—This paper forms No. 1 of the *Contributions of the Bermuda Biological Station for Research*. Also issued as a separate, July, 1904, with title-page and title-cover.
- Two species of Pycnogonida were obtained by Professor Verrill and his party in 1898, and were described by him in the *Trans. Conn. Acad. of Arts and Sci.*, vol. 10, pp. 580-582. Other specimens were collected by him in 1901, by G. Brown Goode in 1876-77, and by the writer and others in 1903. The following species are here described: *Ammothoa gracilis* (Verrill), pp. 317-323, plate 21, figs. 1-14; *Ammothella appendiculata* (Dohrn), pp. 323-324, plates 21, figs. 15-18; 22, figs. 19, 20; *Anoplodactylus insignis bermudensis*, subsp. nov., pp. 325-327, plates 20, figs. 1-3; 22, figs. 21-29. Bibliography, p. 328.
- COE, Wesley Roswell. The Anatomy and Development of the Terrestrial Nemertean (*Geonemertes agricola*) of Bermuda. Vol. 31 (no. 10, November, 1904), pp. 531-570. 3 plates (23-25), (each with a leaf of explanation) and 4 figures in the text. A^s (1005)
- NOTE.—This paper forms No. 4 of the *Contributions of the Bermuda Biological Station for Research*. Also issued as a separate, November, 1904, with title-cover.
- NOTE.—This species was first described by Willemoes-Suhm, in 1874, in the *Annals and Magazine of Natural History*, vol. 13, pp. 409-411. The specimens collected by him were lost during the voyage, and no further ones were evidently collected until Professor Verrill and his parties visited the Bermudas in 1898 and 1901, when numerous individuals were collected. The author visited Bermuda in June and July, 1903, partly with a view of further investigations on the anatomy and development of this form. The species was found in abundance, and widely distributed through the islands on the north as well as on the south shore. It is of peculiar interest because of the fact that it is both hermaphroditic and viviparous. "The fact that it lives below high-water mark as well as above sea level would indicate that it is indigenous, if not peculiar to the Bermudas." This paper treats the subject exhaustively.
- British Empire Series.** London. 8°.
- MOORE, Col. E. C. S. Bermuda. Vol. 3 (1900), pp. 282-319. Y^o (1006)
- NOTE.—Though concise, this is one of the best of the recent accounts of Bermuda. The author draws largely for his information of the early history of the islands on Letroy's *Memorials of Bermuda*; while for its later history he has made use of Lucas's *Historical Geography of the British Colonies* and Ogilvy's *Bermuda Past and Present*.
- Canadian Record of Science.** Montreal. 8°.
- BUCHAN, J. S. The Rock Formation of the Bermudas. Vol. 8 (no. 4, July, 1900), pp. 219-223. (1007)
- NOTE.—Also reprinted as a separate and issued July 13, 1900. The writer finds the rock to be formed of coral ground up into sand, and through the action of rain-water gradually changed into rock or stone.

Bermuda in Periodical Literature.

Canadian Record of Science. (*Continued.*)

"The islands [are] said to be, with the exception of St. Helena, the most isolated body of land on the globe.

"They form the only coral reef in the Central Atlantic, and almost the only instance in which living, reef-building coral is found so far to the north, the conditions being, however, favorable to it, owing to the temperature of the water being raised by the Gulf Stream.

"The coral insect appears to be incapable of existing in more than 30, or at most 50 fathoms of water, but even close to the reefs, depths of from 12,000 to 15,000 feet are found. From this it would appear that the base of the Bermudas was a great elevation, possibly of volcanic origin, on which the coral insects found a suitable formation to build the reefs from which the islands were formed, and if the Atlantic were drained it would have the appearance of a huge mountain from 2 1/2 to 3 miles in height, rising from an almost level plain."

Century Magazine, The. New York. 8°.

KNIGHT, Charles Robert. Color Notes on Bermuda Waters. With special reference to the Color Pictures on pages 595 and 603. Vol. 68 (no. 4, August, 1904), pp. 655-656. 2 colored illustrations. Ye (1908)

NOTE.—Some idea of the brilliant coloring of the fishes and other marine life may be obtained from the two colored drawings which accompany this "Open Letter": "Angel-Fish in Bermuda Waters," facing p. 594; and "Rock-Hind in Bermuda Waters," facing p. 602.

Landing in Bermuda, the writer says: "So far I had observed nothing remarkable in the appearance of the water, except an unusual clearness and brilliancy. I was soon to see, however, as we drove along the shore to the marine station, colors which I had never deemed possible. In some places the sea was a brilliant robin's-egg blue; in others a decided pinkish tinge was visible, merging into a deep purple. In fact, the ever-changing hues of that wonderful water were a constant surprise to me during a three weeks' stay in the islands. . . . Naturally, of even greater interest were the color and life which lay hidden beneath those sparkling waves. . . . My first view of the corals was a trifle disappointing, as they were dull in color, . . . But the sponges were quite another story. Such brilliancy, such wealth of form and color, were truly astonishing. The range of shades seemed unlimited, running quite through the spectrum."

Churchman, The. An Illustrated Weekly News-Magazine. New York. folio.

SNYDER, Rev. Albert Whitcomb. In the Bermudas. Vol. 84 (no. 22, whole no. 2967, November 30, 1901), pp. 709-712. 8 illustrations. (1909)

NOTE.—A historical and descriptive sketch of the islands, with a general account of its churches.

BALLENTINE, Rev. Frank Schell. The Church of England in Bermuda. Vol. 84 (no. 22, November 30, 1901), pp. 712-714. 6 illustrations. (1910)

NOTE.—This article gives a description of the Cathedral at Hamilton, followed by an account of the Parish Churches of the islands.

"From this short sketch of the Church in Bermuda, it will be seen that she is very much alive to church building and improvement. We have never been among a more thorough church-going population. It was decidedly refreshing to see the numbers in church, even on hot nights, such as at home would have been considered sufficient excuse for absence by many. For devout worshippers and attentive listeners commend me to the Bermudians."

Bermuda in Periodical Literature.

Cole, George Watson. Bermuda and the Challenger Expedition. A Bibliography giving a Summary of the Scientific Results obtained by that Expedition at and near Bermuda in 1873. Boston, 1901, 8°. 16 pp. and cover-title. Y^W (1011)

NOTE.—A separate reprint of the heading "Challenger Expedition" in the present list; preceded by a Title-page and Prefatory Note. Printed for private distribution only.

Connecticut Academy of Arts and Sciences. Transactions. New Haven. 8°.

VERRILL, Addison Emery. Additions to the Fauna of the Bermudas from the Yale Expedition of 1901, with Notes on Other Species. Vol. 11 (part 1, October, 1901), pp. 15-62. 9 plates (1-9) and 6 figures in the text. Y^A (1012)

NOTE.—The following additions to the fauna of Bermuda are due almost entirely to the large collections made by Professor Verrill and his son, Mr. A. H. Verrill, at Bermuda from March 7 to May 9, 1901. About 75 species of insects, 25 species of spiders, and numerous Isopoda, Amphipoda, Annelida, land shells, Myriapoda, earthworms, etc., then collected, were reserved for separate articles. "The marine invertebrate fauna of the Bermudas, now known, includes about 900 species. The known fishes are about 200." Notes on many of the rarer or less known species are given in this article.

The following are those now recorded (so far as known) for the first time:—

CRUSTACEA—Decapoda: *Epiplatys bituberculatus* M. Edw. (?) var. *Bermudensis* Ver., p. 16, plate 1, fig. 1, *Pericera subparallela* Stimp. (should read *Macroceloma subparallelum* Miers), p. 17; *Cyclois Bairdii* Stimpson, p. 18, plate 2, figs. 1, 2; *Albunea oxycephala* (should read *oxyophthalma*) Miers, pp. 18-19, plate 8, fig. 1; *Tozeuma Carolinensis* Kingsley, p. 19; *Thor Floridanus* Kingsley, p. 19.

Arthrotraca: *Cyamus fascicularis* V., sp. nov., Sperm-whale Louse, p. 21, plate 8, fig. 4; *Orchestia-agilis* Smith, p. 22.

Cirripedia: *Balanus declivis* Darwin, var. *cuspidatus*, nov., p. 22; *Tetraclita porosa* (Gm.) Darwin, p. 22; *Catophragmus imbricatus* Sowerby, pp. 22-23, plate 8, figs. 8, 9.

MOLLUSCA—Cephalopoda: *Loligo Pealei* (Lesueur) Bv., squid, p. 23; *Omnastrephes Bartramii* (Les.) D'Orb., Flying Squid, p. 23.

Gasteropoda—Tectibranchiata: *Dolabrifera asciifera* (Rang) Morch, pp. 23-24, plates 2, figs. 6 a, 6 b; 3, fig. 2; 4, fig. 12; *D. virens* V., sp. nov., pp. 24-25, plates 2, figs. 4a, 4b, 5a, 5b; 4, fig. 11; 1 figure in text; *Tethys (Aplysia) morio* V., sp. nov., pp. 25-26, plate 3, figs. 5, 5a; *T. (A.) tarda* V., sp. nov., pp. 26-27, plate 3, figs. 4, 4a, 4b; *Placobranchopsis niveus* V., sp. nov., pp. 27-28, plate 4, fig. 10; *Runcina inconspicua* V., sp. nov., p. 28, plate 3, fig. 6. Nudibranchiata: *Elysia ornata* (Swainson) Ver., pp. 28-29, plate 4, fig. 5; *E. subornata* V., sp. nov., pp. 29-30, plate 4, fig. 4; *E. flava* V., sp. nov., p. 30, plate 4, fig. 1; *E. picta* V., sp. nov., pp. 30-31, plate 4, fig. 2; *E. papillosa* V., sp. nov., p. 31, plate 4, fig. 3; *Lamellidoris aureopuncta* V., sp. nov., pp. 31-32, plate 4, fig. 9; *L. miniata* V., sp. nov., p. 32, plate 3, fig. 1; 1 figure in text; *Scyllaea pelagica* (Linné), p. 34; *Facelina Gostlingii* V., sp. nov., pp. 34-35, plate 4, fig. 6.

Bermuda in Periodical Literature.

Connecticut Academy of Arts and Sciences. (Continued.)

Prosobranchiata: *Volva uniplacata* (Sowerby), p. 35.
Pulmonata: *Melampus bullimoides* Mont., p. 35; (?)
Blaumeria (should read *Blauneria*) *heteroclita*, p. 35.

BIVALVA: *Cardium medium* Linné, p. 35.
Ophiuroidea: *Astroporpa affinis* Lutken, p. 36.

ANNELIDA—Chaetopoda: *Pectinaria regalis* V., sp. nov., p. 38, plate 8, figs. 6, 7. Gephyrea: *Sipunculus nudus* Linné (?), pp. 39-40; *Physcosoma*, sp., p. 40; *Thalassema Baronii* Greef., pp. 40-41, plate 5, fig. 9.

Turbellaria—Polycladia: *Thysanozoön nigrum* Girard, p. 41; *T. griseum* V., sp. nov., pp. 41-42, plate 5, fig. 7; *Pseudoceros bicolor* V., sp. nov., p. 42, plate 5, fig. 5; *P. aureolineata* V., sp. nov., pp. 42-43, plate 5, fig. 6; *Stylochus Bermudensis* V., sp. nov., p. 43; *Discocelis binoculata* V., sp. nov., pp. 43-44, plate 5, figs. 3, 4; *D. cyclops* V., sp. nov., pp. 44-45, plate 5, fig. 1; *Trigonoporus microps* V., sp. nov., p. 45, plate 5, fig. 2; *Leptoplana lactoalba* V., var. *tincta*, nov., p. 46, plate 5, fig. 8.

ANTHOZOA—Actinaria: *Cerianthus natans* V., sp. nov., p. 47, plate 9, fig. 6; *Phellia simplex* V., sp. nov., pp. 48-49; *Anemonia elegans* V., sp. nov., p. 50, plate 6, fig. 4 (should be 5); *Actinia melanaster* V., sp. nov., p. 51, plate 6, fig. 2, 3; *Palythoa grandiflora* Ver., p. 52, plate 7, fig. 2.

Gorgoniacea: *Eunicea atra* V., sp. nov., pp. 52-53, plate 9, figs. 4, 5; *Verrucella grandis* V., sp. nov., p. 53, plate 9, figs. 1-3.

POLYZOA: *Idmonea Atlantica* Forbes, p. 54; *Mollia patellaria* (Moll, as *Eschara*), p. 54; *Porina subsulcata* Smitt, p. 54; *P. plagiopora* (Busk), p. 54; *Anarthropora minuscula* Smitt, 1867, p. 54; *Gemellipora glabra* Smitt, p. 54; *Hippothoa mucronata* Smitt, p. 54; *Lepralia edax* Busk, p. 54; *Cellepora avicularis*, p. 54.

ENTEROPNEUSTA: *Balanoglossus*, sp., p. 55.

FISHES: *Carcharinus platyodon* (Poey), Shark, p. 55; *Pseudoscarus guacamaia* (Cuv.), Green Parrot Fish, p. 56; *Eques lanceolatus* (Linné) Gunth., Guapena, Ribbon Fish, p. 56, figure in the text; *Eupomacentrus fuscus* (Cuv. and Val.) J. and Ever, Maria Molly, Brown Cock-eye Pilot, p. 56; *Scomberomorus maculatus* (Mitch.), Spanish Mackerel, Carita, p. 56.

REPTILES: *Anolis principalis* (Linné), Blue-tailed Lizard, American Chameleon, p. 57, plate 1, fig. 5.

MAMMALS: *Phoca Vetulina*? Linné, Common Harbor Seal, p. 59; *Orca gladiator* Gray = *Orca orca* (Linné), Killer, p. 59, 1 figure in the text; *Grampus griseus* Cuvier, Grampus, p. 59; *Delphinus delphis* (Linné), Dolphin, p. 59. Explanation of plates, pp. 60-62.

This paper is No. 10 in Professor Verrill's *Zoölogy of the Bermudas*, Vol. 1. It was also issued separately.

VERRILL, Addison Emery. Variations and Nomenclature of Bermudian, West Indian and Brazilian Reef Corals, with notes on various Indo-Pacific Corals. Vol. 11 (part 1, October-December, 1901), pp. 63-168. 26 plates (10-35) and 8 illustrations in the text. VA (1013)

NOTE.—After a careful study of common reef corals extending over a period of forty years, the writer here makes several changes in the nomenclature of the corals which he considers necessary. He gives a full synonymy of the subject. The following species are attributed to the Bermudas:—

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Maandra labyrinthiformis (L.) V., Brain Stone, Brain Coral, pp. 70-73, plate 10, figs. 1-3; *M. cerebrum* (Ellis and Sol.) V., Brain Coral, Brain Stone, pp. 74-78, plates 10, fig. 4; 12, fig. 4; 14, figs. 4, 5; *Pavia fragum* (Esper) Edw. and Haime, pp. 90-91, plate 13, figs. 1, 2; *Orbicella annularis* (Ellis and Sol.) Dana, Star Corals, pp. 94-96, plate 15, fig. 1; *O. cavernosa* (Linné) Ver., pp. 102; *Plesiastrea Goodii* Verrill, p. 106; *Madracis decactis* (Lym.) Ver., pp. 108-109, 2 figures in the text; *Isophyllia dipsacea* Dana, Rose Coral, pp. 118-121, plates 18, fig. 2; 19, figs. 2, 3; 20, fig. 2; *I. fragilis* (Dana) Ver., Rose Coral, Lettuce Coral, pp. 121-125, plates 16, figs. 1, 2; 17, figs. 1-7; 18, fig. 1; 19, figs. 1, 4, 5; and 2 figures in the text; *I. multiflora* V., sp. nov., pp. 125-127, plates 20, fig. 1; 25, fig. 1; *Agaricia fragilis* Dana, Hat Coral, Shade Coral, pp. 142, plate 26, figs. 1a-1d; *Siderastrea siderea* (E. and Sol.) Blainv., pp. 151-152, plate 30, figs. 2, 3; *S. radians* (Pallas) Ver., pp. 153-155, plate 30, fig. 1; *Porites polymorpha* Link., pp. 158-159, plate 31, figs. 3, 3a; *P. astreoides* Lam., p. 160, 161, plate 31, fig. 4.

This paper is No. 11 in Professor Verrill's *Zoölogy of the Bermudas*, Vol. 1; and with the next number, stitched together, was also issued separately, December, 1901.

VERRILL, Addison Emery. Comparisons of the Bermudian, West Indian, and Brazilian Coral Fauna.—Vol. 11 (part 1, December, 1901), pp. 169-206. 26 plates and 7 figures in the text. Y^A (1014)

NOTE.—Pages 169-183 treat of the *Characteristics of the Bermudian Coral Fauna*, followed by a *Revised List of Bermudian Corals*, which, in addition to those given in the preceding article (to which references are given), contains the following species: *Oculina varicosa* Lesueur, Large Ivory Coral, Tree Coral, pp. 173-174, plate 32, figs. 2, 3, 4; 1 figure in the text; *Var conigera* Ver., nov., p. 175, plate 30, fig. 3; *O. diffusa* Lam., Ivory Coral, Bush Coral, 1816, p. 175; *O. pallens* Ehrenberg, Ivory Coral, Tree Coral, pp. 175-176; *O. Valenciennesi* Edw. and Haime, Ivory Coral, Tree Coral, p. 176, plate 32, fig. 5; *O. coronalis* Quelch, Ivory Coral, p. 177; *Mussa* (*Symphyllia*) *annectens* Ver., sp. nov., Rose Coral, Cactus Coral, Tooth Coral (Bahamas), pp. 178-180, plate 35, figs. 1, 2; and figure in the text; *Mussa* (*Isophyllia*) *dipsacea* (D.) Ver., Rose Coral, Cactus Coral, p. 180 (See p. 118.); *M. (I.) fragilis* (D.) Ver., Rose Coral, Cactus Coral, p. 180 (See p. 121.); *M. (I.) multiflora* Ver., p. 180 (See p. 125).

HYDROCORALLIA.—*Millepora alicornis* Linné, Finger Coral, Sea Ginger, Ginger Coral, p. 182, 1 figure in the text. On pp. 182-183 is given a list of 7 species, not reef-corals, recorded by Moseley in his Challenger Report, pt. 7, vol. 2, (our no. 184 q. v.). See also p. 187.

This paper is No. 12 in Professor Verrill's *Zoölogy of the Bermudas*, Vol. 1, and with the preceding number was also issued separately.

BANKS, Nathan. Some Spiders and Mites from the Bermuda Islands. Vol. 11 (part 2, January, 1902), pp. 267-275. 3 illustrations. Y^A (1015)

NOTE.—This article gives a list of the spiders and mites collected by Prof. A. E. Verrill and his assistants in April and May, 1898, and from March 10 to May 9, 1901. Three new species are described: *Oönotops bermudensis*, p. 269, figure 1; *Anyphana Verrilli*, p. 270, figure 2; and *Eutichurus insulanus*, pp. 270-271, figure 3. In all 28 spiders are enumerated, more than twice as many as in any previous list. John Blackwall, in 1868, recorded 6 species, 3 of which he considered new. In

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1889, Dr. George Marx reported 12 species, collected by Prof. Angelo Heilprin, of which 1 was new. These two lists contained 5 species not in Professor Verrill's collection, making a total of 33 spiders known from the Bermudas.

Three mites are enumerated in this article.

This paper was issued separately and is also included in Professor Verrill's *Zoölogy of the Bermudas*, volume 1 (no. 13).

RICHARDSON, Harriet. The Marine and Terrestrial Isopods of the Bermudas, with Descriptions of New Genera and Species. Vol. 11 (part 2, January, 1902), pp. 277-310. 4 plates (37-40). Y^A (1016)

NOTE.—The first part of this paper is taken up with; "The Marine Isopods of the Bermudas, with descriptions of thirteen New Species and three New Genera." Only two species have previously been enumerated as from Bermuda; one described by Ives, in 1891, in the Proc. of the Acad. of Nat. Sci., Phila., p. 194; the other noted by Spence Bate in his Challenger Exped. Report, 1888, vol. 24, p. 582. This paper is based upon the collections of Prof. George Brown Goode, 1876-77; of Prof. A. E. Verrill and party, 1898; and of Prof. Verrill and Mr. A. H. Verrill, 1901. The marine species described are as follows:—

Chelifera or Tanaioidea: *Tanais cavolinii* Milne-Edwards, p. 278; *Leptochelia dubia* (Kroyer), p. 279; *L. rapax* Harger, p. 279; *Apseudes triangulata* Richardson, sp. nov., pp. 280-281, plate 37, fig. 1-5; *A. propinquus* Richardson, sp. nov., pp. 281-283, plate 37, figs. 6-9; *Parapseudes goodii* Richardson, sp. nov., pp. 283-284, plate 37, figs. 10-14.

Flabellifera or Cymothoidea: *Paranthura infundulata* Richardson, sp. nov., pp. 284-286, plate 38, figs. 15-20; *P. verrilli* Richardson, sp. nov., p. 286, plate 38, figs. 21-22; *Colanthura* Richardson, gen. nov., p. 287; *Colanthura tenuis* Richardson, sp. nov., pp. 287-288, plate 38, figs. 23-28; *Anthelura affinis* Richardson, sp. nov., pp. 288-289, plate 38, figs. 29-32; *Colopisthus parvus* Richardson, gen. nov., p. 289; *Colopisthus parvus* Richardson, sp. nov., pp. 289-290, plate 38, figs. 33-36; *Corallana quadricornis* Hansen, p. 290; *Alciroa krebsii* Hansen, p. 290, plate 38, figs. 38a, 38b; *Nerocila acuminata* Schiødtte and Meinert, p. 291; *Cilicæa caudata* (Say), p. 291; *Dynamene bermudensis* (Ives), p. 291; *D. perforata* Moore, pp. 291-292, plate 39, fig. 39; *Sphaeroma crenulatum* Richardson, sp. nov., pp. 292-293, plate 39, fig. 40.

Valvifera: *Idotea marina* (Linnaeus), p. 293.

Asellota or Aselloidea: *Carpas* Richardson, gen. nov., p. 294; *Carpas bermudensis* Richardson, sp. nov., pp. 294-295, plates 39, figs. 42-45; 40, fig. 41; *Stenotrium stebbingi* Richardson, sp. nov., pp. 295-296, plate 39, figs. 46-49; *Janira minuta* Richardson, sp. nov., p. 297, plate 39, figs. 50-52; *Jeropsis rathbuna* Richardson, sp. nov., p. 298, plate 40, figs. 53, 54, 55a, 55b, 55c.

Epicaridea or Bopyroidea: *Bopyroides latreuticola* Gissler, p. 299.

Part 2 of this paper relates to "The Terrestrial Isopoda of the Bermudas, with a Description of a New Genus of Armadillidæ. Dollfus, in his Report on the Terrestrial Isopoda of the Challenger Expedition (Bull. Soc. d'Etudes Scientifiques de Paris, xii, p. 1-8, 1890), recorded from the Bermudas a number of well-known forms common to other localities." Other forms were added to those named by him, by Professor Verrill and his parties in 1898 and 1901.

A
P R O P O S A L
For the better Supplying of
C H U R C H E S
I N O U R
Foreign Plantations,

A N D F O R
Converting the Savage *Ameri-*
cans to CHRISTIANITY,

By a COLLEGE to be erected in the
Summer Islands, otherwise called the
Isles of *Bermuda*.

*The harvest is truly great, but the labourers are
few. Luke c. 10. v. 2.*



L O N D O N,
Printed by H. WOODFALL, at *Elzevir's-Head*
without *Temple-Bar*: And sold by J. ROBERTS,
near the *Oxford-Arms* in *Warwick-Lane*. 1725.
(Price Sixpence.)

TITLE-PAGE OF BERKELEY'S PROPOSAL FOR A COLLEGE
TO BE ERECTED IN THE SUMMER ISLANDS;
LONDON, 1725. See No. 1309.

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The species here described are as follows:—

Oniscoidea: *Tylos Latreilli* Audouin and Savigny, pp. 300-301, plate 40, fig. 56; *T. niveus* Budde-Lund, p. 301; *Porcellio laevis* Latr., p. 301; *P. parvicornis* Richardson, sp. nov., p. 302, plate 40, fig. 57; *Metoponorchus sexfasciatus* Budde-Lund, p. 302; *M. pruinosus* (Brandt), pp. 302-303; *Leptotrichus granulatus* Richardson, sp. nov., p. 303, plate 40, fig. 58; *Armadillidium vulgare* (Latreille), p. 304; *Uropodias* Richardson, gen. nov., p. 304; *Uropodias bermudensis* Richardson, sp. nov., pp. 304-305, plate 40, figs. 59, 60; *Actoniscus ellipticus* Harger, p. 305; *Ligia baudiniana* Milne-Edwards, pp. 306-308, plate 40, fig. 61.

Explanation of plates, pp. 309-310.

This paper is No. 14 in Professor Verrill's *Zoölogy of the Bermudas*, Vol. 1. It was also issued separately.

VAN NAME, Willard G. The Ascidians of the Bermuda Islands. Vol. 11 (part 2, February, 1902), pp. 325-412. 19 plates (46-64) of 153 figures. Y^A (1017)

NOTE.—This paper is based upon the collection made by Professor Verrill and his party of students in the spring of 1898, and that made by him in the spring of 1901, with his son, Mr. A. Hyatt Verrill, and the writer. A collection made by Prof. G. Brown Goode, in 1876 and 1877, though containing no species not in the later collections, was also examined.

The only previously recorded species from Bermuda were those given in Herdman's Challenger Reports, six in number; and Professor Verrill's list, Trans. Conn. Acad. of Arts and Sciences, vol. 10, pp. 588-594, of 7 species. Omitting doubtful species, a total of 11 are recorded from the islands. The collections made in 1898 and 1901 enabled the writer "to increase it to no less than 38 species, one of which is represented by at least 6 well-marked varieties and another by three, in addition to the type. As these varieties differ sufficiently to constitute species, if intermediate forms did not occur, we have 46 as the total number of kinds of tunicates known to occur at Bermuda." They are as follows:—

COMPOUND ASCIDIANS—*Clavelina* (*Stereoclavella*) *oblonga* Herdman, pp. 334-335, plates 46, fig. 1; 47, fig. 7; and 62, fig. 130a; Genus *Rhodozonia*, n. gen.; *Rhodozonia picta* Verrill, pp. 335-336, plates 46, fig. 3; 47, fig. 5; 60, fig. 122; *Perophora viridis* Verrill, pp. 137-138, plate 47, fig. 8; *Ecteinascidia turbinata* Herdman, pp. 138-139, plates 47, figs. 4, 5; 59, fig. 116; *Distoma capsulatum*, n. sp., pp. 341-342, plates 46, fig. 2; 58, fig. 107; *D. convexum*, n. sp., pp. 342-343, plates 49, fig. 16; 58, fig. 104; 59, fig. 118; *D. obscuratum*, n. sp., pp. 343-344, plates 48, fig. 11; 58, fig. 105, 106; *D. olivaceum*, n. sp., pp. 344-345, plates 48, fig. 9; 59, fig. 113; *D. clarum*, n. sp., pp. 345-346, plates 48, fig. 10; 59, fig. 117; *Cystodytes draschii* Herdman, pp. 347-348, plates 49, fig. 17; 58, figs. 99-101; *C. violaceus*, n. sp., pp. 348-349, plate 88, figs. 12-14; *Distoplia bermudensis*, n. sp., pp. 349-351, plates 49, fig. 15, 18, 19; 59, figs. 108, 111; 62, fig. 130b; *Amaroucium bermuda*, n. sp., pp. 352-354, plates 50, fig. 20; 58, figs. 96, 97; *A. exile*, n. sp., pp. 354-355, plates 50, fig. 21; 58, fig. 98; *Didemnum solidum*, n. sp., plates 51, figs. 31, 36; 59, fig. 119; *D. savignii* Herdman, pp. 358-359, plates 51, figs. 27, 35; 59, fig. 112; *D. atrocantum*, n. sp., pp. 359-360, plates 51, figs. 30, 34; 59, fig. 114; *D. porites*, n. sp., p. 360, plates 51, figs. 29, 33; 59, fig. 115; *D. lucidum*, n. sp., pp. 360-361, plate 51, figs. 26, 28, 37; *D. orbiculatum*, n. sp., p. 361, plates 51, figs. 32, 38; 61, figs. 127a, 128; *Leptoclinum speciosum* Herdman, Var. *bermudense*,

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nov., p. 364, plates 52, figs. 39, 42, 50; 62, figs. 130c, 132, 134; Var. *pageti*, nov., p. 364, plate 52, fig. 45; Var. *hamiltoni*, nov., p. 365, plates 52, figs. 43, 44, 47; 61, fig. 127b; 62, fig. 135; Var. *harringtonense*, nov., p. 365, plate 52, figs. 49, 51; Var. *acutilobatum*, nov., p. 365, plate 52, figs. 46, 52; Var. *somerst*, nov., p. 366, plates 52, fig. 48; 62, fig. 136; *Polysyncrator anethystrum*, n. sp., pp. 366-367, plates 54, figs. 62, 64-67; 58, fig. 102; *Diplosoma macdonaldi* Herdman, pp. 368-369, plates 53, fig. 60; 60 fig. 124; *D. lacteum*, n. sp., pp. 369-370, plate 53, fig. 59; *D. atropunctatum*, n. sp., p. 370, plates 53, fig. 56; 58, fig. 103; 62, fig. 137; *Diplosomoides fragile*, n. sp., pp. 370-371, plates 53, figs. 57, 58; 61, fig. 126; Genus *Echinoclinum*, n. gen.; *Echinoclinum verrilli*, n. sp., pp. 372-373, plate 50, figs. 23-25; *Botrylloides nigrum* Herdman, pp. 374-377, plates 53, fig. 54; 61, fig. 125; Var. *planum*, nov., p. 377, plates 53, fig. 55; 59, fig. 110; Var. *concolor*, nov., p. 378, plate 53, fig. 53; Var. *sarcinum*, nov., p. 378; *Symplegma viride* Herdman, pp. 378-379; plate 50, fig. 22; *Michaelsonia*, n. gen.; *Michaelsonia tincta*, n. sp., pp. 381-382, plates 54, figs. 61, 63; 59, fig. 109; *Diandrocarpa*, n. gen.; *Diandrocarpa botrylloids*, n. sp., pp. 383-384, plates 54, fig. 68; 59, figs. 120, 121; 60, fig. 123.

SIMPLE ASCIDIANS — *Polycarpa obtecta* Traustedt, pp. 386-388, plates 57, figs. 88, 89, 92-94; 63, figs. 140, 144, 64, figs. 151, 153; *Styela partita* (Stimpson), var. *bermudensis*, nov., pp. 388-393, plates (*S. partita*), 55, fig. 60; 66, figs. 76-78; 64, figs. 147-149; (*S. partita* var. *bermudensis*), 55, figs. 70-75; 63, figs. 142, 143; *Halocynthia rubrilabia* Verrill, pp. 393-394, plates 56, fig. 83; 57, figs. 86, 90; 62, fig. 133; 64, figs. 150, 152; *H. riiseana* (Traustedt) var. *munita*, nov., pp. 394-395, plates 56, fig. 84; 57, figs. 85, 87; 63, fig. 141; *Microcosmus miniatulus* Verrill, pp. 396-397, plate 56, fig. 79; 57, figs. 91, 95; 62, figs. 129, 130; 64, fig. 148; *Ascidia atra* Lesueur, pp. 398-399, plate 63, figs. 138, 139; *A. curvata* Traustedt, pp. 400-401, plates 56, figs. 80-82; 63, figs. 145, 146.

Literature, pp. 401, 402; explanation of plates pp. 402-411; Abbreviations, p. 412.

Also issued separately.

Current Literature. A Magazine of Contemporary Thought. New York. 8°.

BERMUDA'S Flower Fields. Vol. 36 (no. 3, March 1904), p. 334. (1018)

NOTE.—An extract from the *New York Evening Post*, January 16, 1904, p. 10, cols. 4, 5.

Era, The. Philadelphia. 8°.

MATTISON, J. B. The Boers in Bermuda. Vol. 9 (no. 5, May, 1902), pp. 519-526. 12 illustrations. (1019)

NOTE.—The writer was permitted to visit the islands upon which the Boers were confined. "He talked with many, noted their food, their clothing, their sanitary and hospital conditions, and would say—in advance of details—that the stories started by sensation mongers in some American journals, anent poor food, bad clothes, much sickness, and great mortality among the Boers in Bermuda, are not true. . . . Captain Schonken, one of the Commandants, said: 'Our treatment in general, as prisoners of war, is, in all respects, fair. I don't see in what way it can be improved.'"

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- Evening Post, The. New York. folio.
 BARK at Bermuda in Distress. November 30, 1901,
 p. 1, col. 7. (1020)
 NOTE.—The Italian bark *Filippo*.
 WINTER Sleep at Aquarium. Marine Species Not
 So Drowsy as the Fresh-Water Kind—Misleading
 Doze of the Western Catfish. December 7, 1901,
 p. 3, col. 6. (1021)
 NOTE.—“Two of the beautiful Bermuda fishes shown for
 the first time this year are the queen trigger-fish, and a
 kind of Princess rock-fish, which the Spanish call the
 ‘Banoci Cardinal.’”
 AT BERMUDA with Broken Shaft. Dec. 16, 1901, p. 3,
 col. 3. (1022)
 NOTE.—This was the British steamer *Ellamy*, from
 Palermo.
 [ANOTHER Detachment of Boer Prisoners arrive in
 Bermuda.] January 17, 1902, p. 3, col. 2. (1023)
 GOVERNOR of Bermuda coming Here. January 30,
 1902, p. 2, col. 2. (1024)
 PRESENT-DAY Uplifting. For Boer Captives. Feb-
 ruary 21, 1902, p. 12, col. 2. (1025)
 DISABLED SCHOONER [*Willie L. Maxwell*] Towed
 into Bermuda. March 3, 1902, p. 3, col. 2. (1026)
 ARRIVAL of Dissatisfied Crew [of American bark
Virginia]. March 22, 1902, p. 1, col. 6. (1027)
 EASTER Lilies in Plenty. The Bermuda Variety Not
 Here This Year. March 27, 1902, p. 2, col. 2. (1028)
 HOME of the Easter Lily. Description of Bermuda,
 Where the Plants Have been Cultivated for Many
 Years. March 29, 1902, p. 23, cols. 6, 7. (1029)
 PRETORIA Fire Put Out. Wrecker pumping the
 Water from Steamship's Hold. March 31, 1902, p.
 12, cols. 1, 2. (1030)
 WINTER Resorts. April 4, 1902, p. 6, cols. 4, 5. (1031)
 BOER REFUGEES in Peru. Adolphus De Wet, Who
 Escaped from Bermuda, to Engage in Mining. April
 14, 1902, p. 1, col. 3. (1032)
 ESCAPING Boer Prisoner Shot. Fourth Attempt to
 Break from Bermuda Prison Camp Fatal. May 5,
 1902, p. 2, col. 2. (1033)
 BIOLOGISTS going to Bermuda. To Reopen the New
 York University Summer Station. June 5, 1902,
 p. 1, col. 2. (1034)
 BERMUDA Waiters Detained. Violation of Contract-
 Labor Law—Stopping an Established Custom.
 Instance of Stupidity in the Workings of the Con-
 tract-Labor Law. June 6, 1902, p. 1, col. 4. (1035)

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Evening Post, The. (Continued.)

NOTE.—Fourteen Bermuda negro waiters were detained by the immigration officials. "The hotel in Bermuda and the hotel in Pauling are under the same management, and it has been the custom of the proprietor for the past five or six years to bring his Bermuda servants to New York for the summer season."

LIBERTY for Boers at Bermuda. Officers and Soldiers Allowed to Visit Hamilton on Parole. June 6, 1902, p. 2, col. 6. (1036)

FISH of the West Indies. Prof. Bristol Describes Some Strange Specimens. June 7, 1902, p. 15, col. 5. (1037)

NOTE.—An extract from Professor Bristol's article in *St. Nicholas* for June.

HOME for a Stowaway. Jersey City Resident Secures Release of a Former Boer Prisoner. July 1, 1902, p. 2, col. 6. (1038)

NOTE.—The stowaway was Louis Albrecht, who escaped from Bermuda on the steamer *Trinidad*.

To Take German Prisoners Home from Bermuda. July 10, 1902, p. 1, col. 6. (1039)

BURGHERS from Boer Camp in Port. July 14, 1902, p. 1, col. 2. (1040)

NOTE.—The *Pretoria* landed 90 officers and burghers, from the Boer camp at Bermuda.

BOERS Guests of Merchants' Association. July 18 1902, p. 1, col. 3. (1041)

DEPARTURE of Boer Soldiers. July 19, 1902, p. 3, col. 3. (1042)

VILLIERS, A. M. N. de. From the Boer Prisoners of War. July 24, 1902, p. 5, col. 4. (1043)

NOTE.—A letter of thanks to American friends for their kindness.

PROF. BRISTOL Brings Odd Fish. July 28, 1902, p. 2, col. 1. (1044)

DEATH of our Sea Serpent. July 28, 1902, p. 10, col. 4. (1045)

NOTE.—This was the New York Aquarium's latest and greatest treasure, a fine specimen of the extremely rare *Channomurana vittata* Richardson, which Professor Bristol secured at Bermuda.

BOERS Returning from Bermuda. July 29, 1902, p. 2, col. 5. (1046)

[NEW FLOATING DOCK arrives at St. George's, Bermuda.] August 8, 1902, p. 4, col. 3. (1047)

TOO BIG for a Police Cell. August 20, 1902, p. 3, col. 2. (1048)

NOTE.—A Bermuda giant, six feet five inches in his stockings, brings up in a New York police court.

BARK at Bermuda in Distress. November 30, 1902. (1049)

STORM coming from Bermuda. December 1, 1902, p. 1, col. 7. (1050)

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- BERMUDA'S Lily Fields. Gardens under Water and on Land. Activities of a British Garrison Town—What a Tourist Season in Full Swing Has to Offer in the Way of Distraction—Scenery in Miniature—Fishing and Boating Among the Reefs. January 17, 1903, p. 10, col. 1. (1051)
- MISHAP to the Yacht *Coronet*. January 24, 1903, p. 1, col. 7. (1052)
- MADIANA on Reef. Excursion Steamship Stranded off Bermuda. February 10, 1903, p. 1, col. 5. (1053)
- NOTE.—Cablegram from Hamilton, Bermuda, announcing the stranding of the *Madiana*. Appended is a full list of the passengers.
- MADIANA'S Cargo a Loss. Offer of Company to Passengers landed at Bermuda. February 11, 1903, p. 1, col. 4. (1054)
- NOTE.—The Quebec Steamship Company offered the passengers tickets to New York and to refund money paid for West Indian trip on condition that they sign an agreement not to make any claim for damages. The passengers are all ashore at Hamilton.
- REEF WRECKED Passengers. Eleven of the Cabin and Forty-nine of the *Madiana's* Crew in Port. February 16, 1903, p. 3, col. 2. (1055)
- MADIANA'S CAPTAIN Censured. Decision of the Bermuda Court on Wreck of Excursion Steamer. February 21, 1903, p. 1, col. 6. (1056)
- NOTE.—The captain was censured for his "indiscretion in approaching the coast when the light had not been seen; in failing to become acquainted with prevailing conditions; in the omission to make a periodic adjustment of his compasses; and in the non-production of the steamer's log-book. The Court admits that the Gibbs Hill light was defective. It disapproves of the employment of a crew unable to speak English."
- ALEXANDER at Bermuda, The. Disabled Collier Towed There To-day by the Steamer *Beta*. February 26, 1903, p. 1, col. 6. (1057)
- YACHT *May* at Bermuda. March 5, 1903, p. 2, col. 4. (1058)
- BANCROFT at Bermuda, The. March 9, 1903, p. 1, col. 7. (1059)
- NEW YORK UNIVERSITY. Harvard and Bermuda Natural History Society to Co-operate in Supporting Bermuda Station. May 9, 1903, p. 7, col. 3. (1060)
- SCIENCE for Lay Readers. Different Types of Coral Islands. May 16, 1903, p. 2, cols. 5-6. (1061)
- VARIOUS NOTES. British coast defence vessel *Scorpion*, used for target practice at Bermuda foundered. June 18, 1903, p. 10, col. 2. (1062)

Bermuda in Periodical Literature.

Evening Post, The. (Continued.)

SCIENCE for Lay Readers. Proposed Tropical Biological Station. June 27, 1903, p. 2, cols. 3-4. (1063)

NOTE.—Professor Hubert L. Clark, in *Science*, writes in defence of Jamaica rather than the Tortugas as the place for a new biological laboratory. The claims of Bermuda are also noted.

SAILING of the *Potomac* from Bermuda. July 30, 1903, p. 1, col. 7. (1064)

[PROFESSOR BRISTOL'S Return from Bermuda.]

October 8, 1903, p. 6, col. 7. (1065)

NOTE.—A collection of Bermuda fishes was secured for the St. Louis World's Fair by Professor Bristol at the request of the U. S. Fish Commission. The Bermudians show great interest in forwarding the proposed biological station in those islands.

NEW STEAMSHIP for the Bermuda Trade. November 4, 1903, p. 7, col. 6. (1066)

DAMAGED Schooner Being Towed Here. December 15, 1903, p. 2, col. 3. (1067)

NOTE.—The British schooner *Sidar* left to-day for New York in tow of the tug *Powerful*.

BERMUDA'S Flower Fields. A Variety of Blooms ever Present. January 16, 1904, p. 10, cols. 4-5. (1068)

NOTE.—"The 400 rocks and islands that compose the Bermudas might be placed within the space occupied by Manhattan Island. Yet the colony is a prosperous little world in itself, having a representative government of its own and occupying a strong position in the chain of Britain's defences. The Bermudas have been called 'unique'; perhaps that word most fittingly describes them."

NEW YORK UNIVERSITY. Grant of money for Fishes by the Bermuda Legislature. January 30, 1904, p. 8, col. 2. (1069)

NOTE.—The grant was made to supply a quantity of live fishes to the United States Fish Commission's Aquarium at the St. Louis Exposition.

BARK WRECKED on Bermuda Reefs. February 11, 1904, p. 12, col. 7. (1070)

NOTE.—The American bark *Lillian* struck the reefs February 10 and was abandoned by the crew.

HEYWARD, C. E. How Washington got his Powder. Looting of the British Magazine at Bermuda. February 20, 1904; Supplement, p. 1, cols. 4-5. (1071)

NOTE.—An article giving an account of an event which helped Washington to drive the British from Boston and which "is still remembered by the inhabitants of the little island of Bermuda with feelings akin to shame; for it involves an act of disloyalty to the British Crown on the part of their ancestors in that most ancient of England's colonies." The writer, in narrating the story, gives an extract from Washington's letter to Governor Cooke of Rhode Island, in which he says: "A Mr. Harris has lately come from Bermuda, where there is a very considerable magazine of powder in a remote part of the island; and the inhabitants are well disposed, not only to our cause in general, but to assist in this enterprise in particular." . . . The Governor and Committee

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of Rhode Island approved of the plan and Capt. Abraham Whipple was chosen to carry it out. Capt. Whipple asked Gen. Washington to promise the Bermudians that, in case they assisted in the undertaking, he would recommend the Continental Congress to permit the exportation of provisions to them. The commander-in-chief assented to this, and in an address to the inhabitants of Bermuda, carried thither by Capt. Whipple, he made a strong plea for 'the cause of virtue and liberty,' which he said, was 'confined to no continent or climate.' The writer then goes on to state how the powder was taken from near St. George and conveyed in whaleboats, under the command of Capt. Morgan, to two Bermuda sloops just outside of North Rock.

CLEVELAND, DeLancey. How Washington got his Powder. February 24, 1904, p. 6, col. 7. (1072)

NOTE.— This writer states that, "The capturing of the powder magazine at Bermuda during the war of 1775, the removal of the powder, and the fitting out of the expedition was effected by my great-grandfather, Capt. George Ord. The brigantine *Retaliation*, commanded by Capt. Ord . . . , with forty picked men, sailed from Philadelphia under sealed orders. Arriving at Bermuda the powder was removed from the magazine, placed on board of the *Retaliation*, which sailed for Philadelphia, and on arrival there supplied the army of General George Washington at a time when the army had but a few rounds of ammunition on hand."

McLAUGHLIN, J. Fairfax, Jr. How Washington got his powder. March 5, 1904, p. 8, cols. 5-6. (1073)

NOTE.— This writer gives his version of the transaction, "As a great-great-grandson of St. George Tucker, the Virginia patriot, who planned and personally aided in the dangerous but successful expedition to capture the large amount of powder, ammunition, and other stores from a fortification in Bermuda."

"We have here three distinct and apparently *truthful* explanations of how Washington got his powder, and still there are several seaboard colonies not yet heard from."

OUR SUGAR in Bermuda. Increasing Exports a Subject of Inquiry in House of Commons. March 16, 1904, p. 1, col. 6. (1074)

NEW YORK UNIVERSITY. Ten-Year Partnership with Harvard in Bermuda Biological Station Arranged. April 23, 1904, p. 8, col. 2. (1075)

BERMUDA FISH for St. Louis. Annual Expedition of New York University to Start To-morrow. June 3, 1904, p. 3, col. 1. (1076)

BERMUDA'S GIFT to the Fair. Shipping Coral-Reef Fish 1,000 Miles Inland. June 27, 1904, p. 1, col. 1. (1077)

NOTE.— The Government has offered its aid in making this novel experiment. Professor Bristol arrived on the *Trinidad* with about twenty-five varieties of live fishes for the St. Louis Exposition and New York Aquarium. "Barring accidents and delays the fishes will be on exhibition at the Fair eighty-four hours after leaving Bermuda."

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Evening Post, The. (Continued.)

GENERAL Russell Hastings. September 20, 1904, p. 7, col. 6. (1078)

NOTE.—“Gen. Russell Hastings died yesterday at Petersham, Mass. He was born in Greenfield sixty-nine years ago. . . . For many years Gen. Hastings had made his winter home in the Bermudas. He was the first person in those islands to grow the Easter lily for commercial purposes.”

MONGOLIAN to leave for Bermuda. November, 9, 1904, p. 2, col. 5. (1079)

MR. BENEDICT'S Yacht at Bermuda. November 18, 1904, p. 8, col. 2. (1080)

NOTE.—The yacht *Virginia* is bound for a cruise up the Amazon as far as Iquitos, Peru.

BARK [*Shakespeare*] at Bermuda in Distress. November 28, 1904, p. 3, col. 1. (1081)

SEVENTY-TWO Hours at the Pumps. Plight of Norwegian Ship *Garibaldi* off Bermuda. December 13, 1904, p. 10, col. 3. (1082)

HAYWOOD, W. B. My Hunt for Treasure. An Expedition to Bermuda led by Capt. Simmons. December 31, 1904, p. 3, cols. 1-4. (1083)

NOTE.—A story, the scene of which is laid at Cooper's Island, Bermuda.

NEW BERMUDA Line Boat. January 5, 1905, p. 12, col. 1. (1084)

NOTE.—The latest addition to the Quebec Company's fleet, *The Bermudian*, has just reached New York. She is a steel vessel of 5,500 tons, having a sea speed of 16 knots. Length 425 feet, beam 50 feet, depth 36 feet 6 inches, and she is fitted with bilge keels to prevent rolling. She has a large cold storage capacity for the carriage of green vegetables from Bermuda, and meats, etc., from New York.

SEA-GAZING in Bermuda. January 7, 1905, p. 2, col. 2. (1085)

NOTE.—Extract from an article by Charles Livingston Bull, in the *Metropolitan Magazine*.

BERMUDA Isles, The. January 14, 1905, p. 9, cols. 1-2. (1086)

NOTE.—“‘The Land of the Lily and the Rose’ is not by any means a catch-phrase of the advertiser, for Bermuda is truly a land of flowers and curious shrubs, tropical and semi-tropical. The roses to be seen in the show windows of New York florists in January are blooming here in the open air during that month. The wildflowers are too numerous to mention, but there is never a week when some new variety may not be seen. Toward the end of March, the stately Easter lilies, grown for their bulbs, begin to open, and their perfume sometimes floats off to sea for a mile or more. A view of the lily fields is something never to be forgotten.”

VARIOUS Notes. February 24, 1905, p. 8, col. 1. (1087)

NOTE.—The stern portion of a vessel, bearing the name *Charles E. Wilbur*, has drifted upon the northwest reefs. She sailed from Darien, Ga. for New York, November 8 last. *The Quinnebang*, missing since early in November, is known to have been in the same general latitude. They may have been in collision.

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TO JOIN the Harvard Bermuda Expedition. April 7, 1905, p. 7, col. 1. (1088)

NOTE.—Prof. Trevor Kincaid, of the University of Washington, has accepted an invitation to join the Harvard expedition to the Bermudas which leaves in June.

BERMUDA Dock Laborers' Strike. May 5, 1905, p. 1, col. 3. (1089)

NOTE.—No rioting. The knowledge that armed troops would appear at the first display of violence prevents it.

[STRIKE-BREAKING in Bermuda.] May 10, 1905, p. 6, cols. 1-2. (1090)

NOTE.—When the negroes employed to load onions at Hamilton struck, the *élite* turned in to save the cargo and administer a rebuke.

BERMUDA Cricketers Here. June 16, 1905, p. 1, col. 3. (1091)

HEAVY CRICKET Batting. A Century by Curran Against the Bermuda Eleven. June 19, 1905, p. 3, col. 3. (1092)

NOTE.—Report of an uncompleted match between the visiting Hamilton Cricket Club, of Bermuda, and the Eleven of the Metropolitan District League, at Livingston, Staten Island.

READY for Bermuda Fishes. June 21, 1905, p. 2, col. 2. (1093)

NOTE.—One thousand specimens, of 40 species, are expected at the New York Aquarium, in a little more than a fortnight, in the annual consignment for this year from Bermuda.

DRAW for the Bermudians. June 23, 1905, p. 12, col. 4. (1094)

NOTE.—The cricketers were unable to finish their match in Philadelphia. The visiting club was matched against the Germantown team.

GOOD CRICKET by King. June 24, 1905, p. 3, col. 4. (1095)

NOTE.—J. B. King of the Belmont Cricket Club secured 150 runs in the match against the Bermuda Eleven yesterday at Philadelphia.

CRICKET LEAGUE Matches. June 26, 1905, p. 12, col. 2. (1096)

NOTE.—The match between the Bermudians and the Belmont Club was stopped on Saturday by the rain, the score standing: Belmont 416 for one innings, and Bermuda 121, and 61 for five wickets.

ONE WICKET for 169 Runs. June 27, 1905, p. 12, cols. 1-2. (1097)

NOTE.—The third match of the Bermudians against the Merion team, in Philadelphia, began yesterday. The Bermudians were all out in their first innings for 183 runs. Merion went in and had scored 169 runs for one wicket, when stumps were drawn for the day.

BERMUDIANS badly Beaten. June 28, 1905, p. 9, cols. 4-5. (1098)

NOTE.—The Hamilton Cricket Club eleven were beaten yesterday at Haverford, Pa., by the Merion team by 10 innings. Score: Hamilton, first innings 183, second innings 218; total 421. Merion, first innings 360, second innings 46, without losing a wicket; total 406.

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Evening Post, The. (*Continued.*)

YACHT *Varuna* at Bermuda. September 14, 1905, p. 10, col. 3. (1099)

TOPICS the Country Round. January 5, 1906, p. 7, col. 5. (1100)

NOTE.—About half a column is devoted to "Bermudas, and Other Poems," an anonymous pamphlet printed at Cranbury, N. J.

"There's a limit to every wave,
A license for all kinds of feet.
This side o' the moss-covered grave
Where time and eternity meet.

"This poet needs his license, and uses it freely, too. Instead of editing a newspaper, becoming an insurance official, or taking an interest in the Methodist Church of Cranbury, this songster took to the wild Bermudas. With a mythological dictionary in one hand, he sets down with the other some paragraphs of 'introduction.' . . . The author . . . has not said it, but we nevertheless believe that Calypso has a winter season contract to awaken the muse down St. George's and Nassau way, and this pamphlet is our reason for saying so."

STEAMSHIP brings Lilies. *Bermudian* Has 5000 Easter Flowers as Cargo. April 7, 1906, p. 1, col. 4. (1101)

NOTE.—"In addition to the consignment of lilies, the ship carries several hundred boxes of violets. . . . New Yorkers will have the finest collection of Bermuda lilies to choose from this year that was ever sent up here."

Everybody's Magazine. New York. 8°.

DAVIDS, Edith. The Vast Business of Flower Growing. \$6,000,000 a year for New York's Flowers. Photographically Illustrated. Vol. 5 (no. 28, December, 1901), pp. 611-626. 25 illustrations. (1102)

NOTE.—"Down in frostless Bermuda, not far from the sea, the great lily fields, some of them more than a hundred acres in extent, are white with fragrant bloom; the smell of the sea mingles with the sweet, heavy scent of the blossoms, and negroes wend their lazy way among the flowers, gathering in the snowy harvest."—p. 625.

Fortnightly Review, The. London. 8°.

ELWES, Katherine W. The Boer Prisoners in Bermuda. Vol. 71, n. s. (no. 426, June 1, 1902), pp. 985-996. (1103)

NOTE.—"A simple account of the life in, and management of, the prisoner-of-war camps in Bermuda," written with a view to counteract the "string of accusations, beginning with imputations of ill-management, and ending with direct charges of inhuman cruelty" circulated by unscrupulous writers who wish to bring discredit upon England. "Surely the truth is best for both sides, for 'the first of all gospels is this, that a lie cannot endure forever.'"

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Four-Track News, The. New York. 8°.

VIZETELLY, Francis ("Frank") Horace. Balmy Bermuda. The Island Paradise of the Summer Sea. Vol. 5 (no. 3, September, 1903), pp. 131-134. 1 plate and 6 illustrations. (1104)

NOTE.—This article deals with the vegetation, natural scenery, and fauna of the islands. Of cultivated flowers he says: "No less than one hundred and fifty varieties of roses are cultivated in the Bermudas, and they attain a magnificence of color and delicateness of perfume seldom equalled by roses grown elsewhere." The plate represents "Khyber Pass, on the Way to Mount Lang-ton, Bermuda"(!).

KEELER, Lucy Elliot. The Bermuda Isles. Vol. 6 (no. 3, March, 1904), pp. 166-167. 3 illustrations. (1105)

NOTE.—A tourist's impressions.

Frank Leslie's Popular Monthly. New York. 8°.

VERRILL, Alpheus Hyatt. The Art of Photographing Birds. Vol. 52 (no. 5, September, 1901), pp. 419-428. 13 illustrations. (1106)

NOTE.—He gives on p. 424, a brief account of his attempts to photograph the "beautiful long-tailed tropic-birds" of Bermuda.

Freneau, Philip. Poems written between the years 1768 and 1794. Monmouth, N. J., 1795. 8°. (1107)

NOTE.—Freneau visited Bermuda in 1778, where he, as did Thomas Moore at a later date, became enamoured of one of the ladies he met there. He has here given us four poems, the results of his visit: "The Bermudas; Amanda's Complaint; On Amanda's Singing Bird: a Native of the Canary Islands; and Philander to Amanda." In the latter he says:
"What shall repay me for these nights of pain,
And weeks of absence on this restless main,
Where every dream recalls that charming shade,
Where once, Amanda, once with you I stray'd,
And fondly talked, and counted every tree,
And minutes, ages, when remov'd from thee."

Good Words. London. 8°.

GRAY, Miss Bessie. Song of the Keepers of the Western Gate. [A Poem.] Vol. — (no. —, December, 1902), p. 63. (1108)

NOTE.—This is one of the 5 poems out of the 321 submitted, to which was awarded the First Prize, in the "Songs of the Empire" competition, instituted by GOOD WORDS; the five being considered of equal merit by the judges. A full account of this competition with the text of 17 of the best poems submitted, together with extracts from many others, is given on pp. 43-96 of this, the "Imperial Number" of the magazine. Among the poems from which extracts are given were two from Bermuda, one signed "Clermont!" but no name given (p. 46); the other by Henry G. Musson, Hamilton, Bermuda (p. 51).

Graphic, The. London. Folio.

MILITARY Manœuvres in Bermuda. July 19, 1873, p. 52. 3 woodcuts. (1109)

NOTE.—Three woodcuts only, by W. H. J. B., as follows; "Signalling the Enemy from Sugar-Loaf Hill"; "On the Lookout"; and "Signalling—Question and Answer."

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Great Britain—*Parliament—House of Commons* (1853).

BERMUDA. Correspondence, [etc.], respecting the Revival of the College of St. Paul [Bishop Berkeley's], in Bermuda. 1852-53, vol. 65, (no. 937). 4 pp. Y^c (1110)

NOTE.—This Document contains: No. 1. Letter from the Rev. William Charles Dowding to Acting Governor Eden. 8 January, 1853. No. 2. Letter from N. A. Butterfield, Esq., to the Rev. W. C. Dowding. 18 January, 1852. No. 3. A Return, showing the Grants, Endowments, and Appropriations for the purpose of Religious Instruction or of Education, for Ten Years, from 1st January, 1843 to 31st December, 1852, inclusive, distinguishing Grants from British and Colonial Funds; [signed] Robert Kennedy, Colonial Secretary; [dated] Bermuda, Secretary's Office, 28 March, 1853. No. 4. Letter from J. Gregory, Esq., to the Rev. W. C. Dowding. 26 July, 1853.

Harper's Monthly Magazine. New York. 8°.

[HOWELLS, William Dean?] Editor's Easy Chair. [Bermuda and Its Charms.] Vol. 103 (no. 613, June, 1901), pp. 146-151. (1111)

NOTE.—"What will be said to you when you tell that in the Summer Islands one has but to saw a hole in his back yard and take out a house of soft creamy sandstone and set it up and go to living in it? What, when you relate that among the northern and southern evergreens there are deciduous trees which, in a clime where there is no fall or spring, simply drop their leaves when they are tired of keeping them on, and put out others when they feel like it? What, when you pretend that in the absence of serpents there are centipedes a span long, and spiders the bigness of bats, and mosquitoes that sweetly sing in the drowsing ear, but bite not; or that there are swamps but no streams, and in the marshes stand mangrove-trees whose branches grow downwards into the ooze, as if they wished to get back into the earth and pull in after them the holes they emerge from?"

Harper's Weekly. New York. folio.

BERMUDA'S Boer Prisoners. Vol. 46 (no. 2361, March, 22, 1902), p. 381. 6 illustrations (on page 360). (1112)

NOTE.—This article shows that Boer sympathizers in their published statements have misrepresented facts and overdrawn the truth to the detriment of the prisoners themselves. The British government has furnished an adequate supply of food, shelter, and clothing. Of about five thousand confined in Bermuda, only nine have died, showing that there has been practically no sickness.

Hassell, John A. The Boer Concentration Camps of Bermuda. New York, 1902. 16 pp. and cover-title. 7 illustrations on 4 plates; and 2 illustrations and 1 map, p. 2 of cover. (1113)

NOTE.—The writer signs himself on the title-page as "Late Captain of American Scouts in the Boer Army." This pamphlet is strongly Pro-Boer in its sentiments, e. g. "To sum up, what is the situation of the Boer prisoners of war as I found it in Bermuda?"

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"Four thousand persons, with more than twenty per cent. of old men and children, huddled together on insufficient ground, absolutely excluded from all communication, although escape is impossible, insufficiently housed, scantily fed, left without clothing to face a raw winter, and tortured by lack of employment. Can there be another name used for these camps than that of the notorious infernos created in Cuba by General Weyler, called by the euphemistic title of 'reconcentrado camps.'"—p. 14.

Hospital-Cottage Friend, The. Worcester, Mass. 4°.

CLARK, Annie Maria (Lawrence). Parson Hue's Compass. Vol. 18 (no. 9, September, 1904), pp. 5-7, and (no. 11, November, 1904), pp. 3-5. (1114)

NOTE.—A story of Bermuda in the time of Governor Daniel Tucker and of the five men who in the mid-summer of 1616 left the island in an open boat and after seven weeks successfully reached the coast of Ireland in safety. The narrative is based upon an actual occurrence which is recorded in Latin and English, upon the first map of Bermuda, issued about 1622, as follows: "*About Midsomer 1616, five persons departed from these Ilands in a Smal open boat of some 3 tunn and after 7. weeks arrived at safe in Ireland, ye like hath Scarce bene heard of in any age.*" See also Lefroy's *Memorials*, vol. 1, p. 126.

House and Garden. A Magazine devoted to Architecture, Gardens, and Decoration. Philadelphia. 4°.

HEATON, John Langdon. Coral-Stone and Palm. The Homes of Bermuda. Vol. 2 (no. 4, April, 1902), pp. 164-174. 17 illustrations and 1 plan. (1115)

NOTE.—The writer tells how the houses of Bermuda are constructed of coral-stone with a minimum amount of lumber entering into the structure. He then goes on to describe landscape gardening as practiced by the Bermudians. "On the whole, there must be few places in the world where homes of dignified appearance, considerable space and a fair degree of comfort are so cheaply built or so numerous. . . . No Bermudian has an excuse for not surrounding his home with garden beauty. . . . The whole island group is like a museum of rare growths from every land. . . . Almost anything that will grow anywhere will grow here. It is as if the wealth of Kew, or Fairmount, or the Bronx were turned out of doors to riot with the sturdy flowers of New England and Old England."

Huxley, Thomas Henry. *Physiography: an Introduction to the Study of Nature.* New Edition. London, 1881. 8°. xx+384 pp. 5 colored plates and 122 illustrations in the text. Y^A (1116)

NOTE.—On page 176 the Gulf Stream is described. This description is accompanied with a section of the Atlantic Ocean between Sandy Hook and Bermuda, "reduced from one of Sir G. Nares' reports to the Admiralty on the *Challenger* expedition." This figure shows "that the Gulf Stream is an extremely shallow body of water" and "that, when compared with the great depth of the ocean, the Gulf Stream is extremely superficial. It may indeed be regarded as a mere rill of warm water running over the surface of the sea; for, while the water below is considerably more than 2,000 fathoms in depth, the Gulf Stream itself is not more than 100 fathoms deep."

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Independent, The. New York. 8°.

VIZETELLY, Francis ("Frank") Horace. The Boer as a Prisoner of War. Vol. 53 (no. 2767, December 12, 1901), pp. 2949-2957. 4 illustrations. (1117)

NOTE.—In 1901 Mr. Vizetelly went to Bermuda to investigate the conditions of the camps of the Boer prisoners of war detained there, and through the courtesy of Sir G. Digby Barker, the governor, and his adjutant Lieut.-Col. M. Quayle-Jones, C. B., was the first civilian given free access to the camps. This article gives a narrative of his visit to the camps and what he found there. In conclusion he says: "There is probably more mental than physical suffering among the prisoners, who, often of swarthy complexion, generally looked a healthy set of men. So far as general care is concerned, there are without doubt many persons, especially in our big cities, who would gladly exchange their present surroundings and opportunities to share the life of the burgher prisoners of war in the Boer laagers of beautiful Bermuda."

Mr. Vizetelly has also written other articles. See under his name in *Who's Who in New York*.

BIGELOW, Poultney. Under Storm Sails to Bermuda. Vol. 55 (no. 2870, December 3, 1903), pp. 2842-2847. 4 illustrations. (1118)

NOTE.—An account of a yacht cruise to Bermuda on the *Thistle*. A column or more is devoted to the Boer prisoners and the considerate care they were receiving.

Insect Life. Washington. 8°.

PEACH PEST in Bermuda, A. Vol. 3 (no. 1, August, 1890), pp. 5-8. 2 figures in the text. (1119)

NOTE.—This article describes the peculiar and strikingly beautiful Trypetid fly, *Ceratitis capitata*, described by Wiedemann, in 1826, as *Trypeta capitata*, which Mr. Claude W. McCallan, of St. George's, Bermuda, says completely destroys the peach crop in that vicinity.

Insect Life is a Periodical Bulletin of the Division of Entomology of the United States Department of Agriculture.

MCCALLAN, Claude W. The Bermuda Peach Maggot and Orange Rust. Vol. 3 (no. 3, November, 1890), pp. 120-121. (1120)

NOTE.—A letter asking for information, together with a reply to the same.

HEYLE, J. B. Insect Pests in Bermuda. Extract of a Report by Vice-Consul J. B. Heyle, of Bermuda. Vol. 4 (nos. 7 and 8, March, 1892), p. 267. (1121)

NOTE.—"This island was clear of insect pests until some time in 1858 or 1859, when a vessel was brought here in distress, with a cargo of oranges, which were sold at auction, and the fruit was carried all over the island, and in a few months our flourishing trees were covered with an insect which gave the trees the appearance of being whitewashed. . . . Another insect was afterwards introduced in peaches."

Iowa, State University of—*Laboratories of Natural History.* Bulletin. Iowa City. 8°.

VERRILL, Addison Emery. Report on the Ophiuroidea, Collected by the Bahama Expedition from the University of Iowa in 1893. Vol. 5 (no. 1, September, 1899), pp. 1-86. 8 plates, each with explanatory leaves. (1122)

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- NOTE.—The following eleven species are noted as occurring at Bermuda: *Ophiura brevispina* Say, p. 4; *O. appressa* Say, p. 6; *Ophiomusium stellatum* Verrill, sp. nov., p. 14, plate 1, figs. 3, 3a; *Ophiothrix angulata* (Say) Ayres, p. 18; *O. suensonii* Lütken, p. 21; *Ophiocoma echinata* (Lam.) Agassiz, p. 22; *O. riisei* Lütken, p. 22; *O. humila* Lütken, p. 23; *Ophioneis reticulata* Lütken, p. 30; *Ophiactis krebsii* Lütken, p. 34; *Ophiomyxa flaccida* (Say) Lütken, p. 65.
This also forms no. 6 of vol. 1, new series, of the *Bulletin of the University of Iowa*.
- Lend a Hand Record, The.** Boston. 8°. 80.
- BOER Prisoners. Vol. 10 (no. 6, October, 1901), p. 2-3.
NOTE.—This article is largely made up of an extract from the letter of a correspondent in Bermuda. A list of clothing and other articles needed is added at the end. (1123)
- [BOER Prisoners.] Vol. 10 (no. 8, December, 1901), p. 10-11. (1124)
- NOTE.—This article contains a letter from Adj. Joubert Reitz, one of the Boer prisoners, to the *Boston Globe* and two others.
- [KEY, Rev. W. S.] Boer Prisoners in Bermuda. Vol. 10 (no. 9, January, 1902), p. 3-6. (1125)
- NOTE.—The writer was permitted to visit all the camps and converse freely with the prisoners. He found that each prisoner was allowed what is known as the "field ration," which is somewhat more than the peace ration. This owing to the active life previously led by the adult prisoners and growing boys was found by them to be insufficient for their needs. As to clothing he found that they were, at the time of his visit, "practically all provided with clothing for the time being by the English government and the generosity of American friends." See also p. 7.
- Lyceum of Natural History of New York.** Annals. New York. 8°.
- REDFIELD, John Howard. Descriptions of New Species of Helicidæ. Vol. 6 (article 4, April and May, 1853), pp. 14-18. Y^A (1126)
- NOTE.—Read March 21, 1853. The writer describes three species, one of which is from Bermuda: *Helix circumfirmata*. "Bermuda, where it is rarely found under stones in plantations on the hill near St. George's, in company with *Helix microdonta* Desh., *Bulimus ventrosus* Fer., *Helicina* —, and *Succinea* —. It has been collected by our associates, Mr. T. Bland and Mr. T. Prime, by Mr. Robert Swift of St. Thomas — and also by the late Prof. Adams."
"The occurrence of *Bulimus ventrosus* Fer. at Bermuda, has, we believe, not been before noticed, and is an interesting fact as exhibiting an area of habitat very unusual in a terrestrial species."
- Metropolitan Magazine, The.** New York. 8°.
- BULL, Charles Livingston. An Artist in Bermuda. Illustrated by the Author. Vol. 21 (no. 4, January, 1905), pp. 418-423. 4 illustrations. (1127)
- NOTE.—A description of the sea-gardens of Bermuda. "So many writers have compared these sea-gardens of Bermuda to 'fairyland' that the phrase has become hackneyed, and yet there seems to be nothing within the knowledge of man to which they can be compared." As Heilprin says: "To one who has never seen a growing coral reef, it is impossible to describe the magnificence of the scene."

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Nation, The. New York. 4°.

W., I. J. A Suggestion. Vol. 38 (no. 978, March 27, 1884), p. 275, cols. 2, 3. Y^A (1128)

NOTE.—This letter calls attention to "some economic features of its local administration, which have produced to the inhabitants valuable and permanent results at a trifling expense. . . . The Bermuda roads, though penetrating a very uneven and undulating surface, are graded almost to the capacity of railroads, shrinking from no 'rock cuts,' or expensive 'fills,' or solid causeways, to obtain this result. Most of the heaviest work of grading, draining, and metalling (they are all metalled) was done by borrowing long-term convicts from the mother country. The heavy fortifications belonging to the Imperial Government were mainly constructed in the same manner."

New-Church Review, The. A Quarterly Journal of the Christian Thought and Life set forth from the Scriptures by Emanuel Swedenborg. Boston. 8°.

CLARK, John Calvin Lawrence. The First English Translator of "Divine Providence." Vol. 10 (no. 2, April, 1903), pp. 237-242. (1129)

NOTE.—This article gives considerable genealogical information concerning the Tucker family of Bermuda, descendants of George Tucker, a brother of Governor Daniel Tucker. Nathaniel Tucker (b. 1750, d. 1807), the author of two poems: "The Bermudian" and "The Anchorite," emigrated to Europe and studied medicine at Leyden, where he took his degree. He settled at Hull, in England, and from 1794-1807 was one of the physicians of the now immense Hull Infirmary. "He was an early light in the New Church; and his real claim to distinction is, of course, that he made the first English translations of three of Swedenborg's works: 'Divine Love and Wisdom' (1788), 'Divine Providence' (1790), and 'The Apocalypse Revealed' (1791). These were issued under the auspices of the Manchester Printing Society."

New England Magazine. Boston. 8°.

HERVEY, Charline Wheelock. The Easter Lily of Bermuda. Vol. 32 (no. 2, April, 1905), pp. 193-198. 4 illustrations and 1 tail-piece. (1130)

NOTE.—"Owing to its special advantages of climate, and the richness of the dark red soil, the lily, the rose, the poinsettia, and all the beautiful flowers for which we pay such high prices throughout the winter, grow here in wild luxuriance. . . . The raising of the Easter lily for exportation has been one of the leading industries of Bermuda since 1878, although it was not until the early eighties that the Bermuda lily became well known in the States."

New York Academy of Sciences. Annals. New York, 8°.

BINNEY, William G. Notes on the Jaw and Lingual Dentition of Pulmonate Mollusks. Vol. 3 (article 3, read March 3, 1884), pp. 79-136. Y^A (1131)

NOTE.—The writer describes one species from Bermuda, *Zonites? Bermudensis* Pir., on pp. 86-87; and says it differs from the *Zonites* and seems to belong to no described genus.

"Treats of *Zonites Bermudensis* aud *Micophysa (?) circumfirmata* and figures dentition. (Both from Bermuda.)"—A. E. Verrill.

Bermuda in Periodical Literature

- New York Age, The.** New York. folio.
BERMUDA Benevolent Association. May 14, 1903,
p. 1, col. 4. (1132)
NOTE.—An account of the installation of the officers of the
Association on the preceding Friday evening at Odd
Fellows' Hall.
- New York Evening Journal, The.** New York. folio.
SEAS BREAK OVER the Madiana. February 10, 1903,
pp. 1 and 2. 3 *views* and 2 *maps*. (1133)
- New York Herald, The.** New York. folio.
BERMUDA as a Summer Resort. August 27, 1905,
Third Section, p. 8, cols. 3-4. (1134)
NOTE.—For the first time in the history of Bermuda it
has been turned into a summer resort, and the Princess
Hotel was kept open. "The scheme was a business
experiment, and fortunately it has proved to be a suc-
cessful one. While no one can deny that Bermuda is
certainly warm in summer it is considerably more en-
durable than New York and many other American
cities, thanks to the ever present Atlantic wind that
continually sweeps over it. The thermometer never
registers above 85 degrees. Of humidity there is none.
The air is clear and dry. . . . A party of promoters
and capitalists came down on the last boat and have
practically completed arrangements to build a \$3,000,000
hotel here about a mile east of Hamilton. The com-
pany has been organized. Another site thought of is
almost directly across the bay from the Princess. That
the hotel will be big, modern, and handsome goes with-
out saying."
- New York Press, The.** New York. folio.
OCEAN LINER puts Back with her Hold on Fire.
March 31, 1902, p. 1, col. 1. (1135)
NOTE.—The *Pretoria* sailed from New York for Ber-
muda on the 29th. When about 100 miles from Sandy
Hook fire was discovered in the forward hold. Captain
McKenzie decided to return to New York and on his
way fell in with the *Noordland* to which the passengers,
66 in number, were transferred. Both vessels then pro-
ceeded to port.
- New York Times, The.** New York. folio.
MORE Boer Prisoners at Bermuda. September 15,
1901, p. 7, col. 2. (1136)
NOTE.—The British transport *Montrose* landed to-day on
Tucker's Island 932 Boers and 37 Cape rebel convicts,
among whom were a brother of Ex-President Steyn and
prominent Generals.
- BOERS at Bermuda Unruly. June 28, 1902, p. 9, col. 2.
NOTE.—Commandant Milan was badly beaten in a fight
which grew out of a refusal of some of the Boers on
Darrell's Island to muster for inspection. He was
removed to the hospital.
- DRY DOCK, Largest Floating. August 8, 1902, p. 9,
col. 3. (1138)
NOTE.—The new floating dock, the largest in the world,
arrived off St. George's at a late hour on August 7, 1902
- COLONIAL CELEBRATION. August 11, 1902, p. 2, col. 2
NOTE.—A State service was held at the cathedral in
honor of the coronation of King Edward and special
services were held in other churches, on the 10th. A
grand reception was held at Government House on
Friday; illuminations, fireworks, and other manifesta-
tions of joy, were also exhibited.

Bermuda in Periodical Literature

New York Times, The. (Continued.)

AQUARIUM'S New Arrivals. August 11, 1902, p. 3, col. 3. (1140)

NOTE.—The angel-fish, from Bermuda, have of late been unusually busy in their efforts to kill off one another. Of all the gay-tinted fish, which are brought from Bermuda, they are probably the most vicious, many of them being killed by their fellows in transit and after their arrival.

FOR an American Aquarium. August 24, 1902, p. 23, cols. 1-5. (1141)

NOTE.—"An Amateur Naturalist" says that the exhibition tanks at the Battery are "overflowing with fishes from the British Bermudas, while representatives of the finny tribe from our own Floridan coast and our new possessions in Porto Rico, the Philippines, Hawaii and Guam are mostly conspicuous by their absence."

WEST INDIES, The. September 15, 1902, p. 4, col. 5.

NOTE.—A dispatch from Hamilton says that universal regret is expressed for the death of President McKinley and that all the flags are placed at half-mast.

VIZETELLY, Francis ("Frank") Horace. Kipling's Banana Tree Design. October 20, 1902, p. 8, col. 6.

NOTE.—The writer calls attention to a design in the "Just So Stories," in which the fruit of the banana tree is represented. "The West Indian and Bermuda bananas," says he, "grow upward, not in a pendulous way, as Mr. Kipling shows in his design."

VIZETELLY, Francis ("Frank") Horace. Bananas: Do they Grow Up or Down? October 26, 1902, p. 32, col. 2. (1144)

NOTE.—The writer adduces proofs of his assertion, made in the previous letter, that the Bermudian banana grows upright. "Australian" [in a letter which we have overlooked] says the banana in Oceanica grows downward. "It may be possible," says the writer, "that it does so also in India."

KOS KOB. Kipling's "Just-So" Bananas. October 26, 1902, p. 32, cols. 2, 3. (1145)

NOTE.—"Possibly Mr. Kipling has drawn the banana from the ones he has seen in Child-land or from the ones growing on Cape Imagination, where I am sure Frank H. Vizetelly has never been."

KOS KOB. The Banana Problem. November 2, 1902, p. 32, col. 4, 5. (1146)

NOTE.—The writer still pursues the subject of Mr. Vizetelly's criticism of Kipling's design; and his letter is followed by eight other letters, by different writers, upon the same matter. The controversy between the critics evidently arose from a misconception. The facts seem to be that the *stem* is pendulous while the *fruit* on the stalk grows upright. One of the writers, E. D. Crowell, closes as follows: "I apologize to Mr. Vizetelly for the misunderstanding and suggest that we now join the Walrus and the Carpenter in talking about

* Shoes — and ships — and sealing wax, *

* And whether pigs have wings. *

Bermuda in Periodical Literature

VIZETELLY, Francis ("Frank") Horace. Topsy-turvy Land Bananas. November 9, 1902, p. 30, col. 6.

NOTE.—"Now that it is proved beyond question of doubt that the banana fruit grows in 'any old way,' may I ask if this condition is due to botanical freakishness or to geographical situation. If to either, what is the relation of both to 'Stories' written 'Just So?'"

BRITISH FORTIFICATIONS in the West Indies. November 22, 1902, p. 9, col. 1. (1148)

NOTE.—An official letter by Mr. Brodrick, War Secretary, in answer to one from Lieutenant Bellairs of the Royal Navy, asking if unusual activity was taking place in strengthening the defences of the West Indies, gives the evasive information, "that the work on the fortifications of Bermuda, Halifax, Esquimaux, and the West India stations was proceeding in accordance with the general scheme of defence devised some years ago. The expenditure on armament, he said, merely represented the replacing of obsolete guns by modern weapons in the ordinary course. In no case had any modification been introduced into the accepted scheme because of the possibility of the construction of a canal across the Isthmus by the United States."

WILL COERCE Venezuela. December 4, 1902, p. 1, col. 7. (1149)

NOTE.—The British cruiser *Retribution* sailed from Bermuda for Venezuela yesterday; the cruiser *Carybdis*, the sloop-of-war *Aleri*, and torpedo boat destroyer *Quail* followed to-day. The cruisers *Tribune* and *Ariadne* are under orders to proceed to the same destination.

HOWARD GOULD and Party [in their Yacht *Niagara*] at Bermuda. December 14, 1902, p. 4, col. 1. (1150)

TOWED here from Bermuda. December 28, 1902, p. 13, col. 4. (1151)

NOTE.—The Nova Scotian ship *Charles S. Whitney* which put into Bermuda in a leaking condition, arrived here in tow yesterday.

WORK of Prisoners of War. January 25, 1903, p. 27, cols. 6, 7. (1152)

NOTE.—Many of the prisoners of war occupy their leisure in making all sorts of trinkets which command a ready sale as souvenirs of the islands. "Every souvenir store, every jewelry establishment, the drug stores, the department stores and even the laundries and photograph galleries—in short every place which a tourist from the United States or Canada is likely to visit—has 'Boer Souvenirs.'"

MADIANA Ashore on Bermuda Reef. February 11, 1903, p. 1, col. 7; p. 2, cols. 1, 2. (1153)

NOTE.—A full account of the loss of the *Madiana*, the second Quebec Steamship Company's liner to be lost within a year. The personal experiences of some of the passengers, as well as a list of those on board, is given.

MADIANA'S Excursionists. February 12, 1903, p. 2, col. 5. (1154)

NOTE.—The Steamship Company offers to supply return tickets and refund the passage money paid for the trip, on condition that the passengers sign an agreement not to make any claims for damages.

Bermuda in Periodical Literature

New York Times, The. (Continued.)

MADIANA's Passengers Brought Back Here. February 17, 1903, p. 16, col. 1. (1155)

NOTE.—Eleven passengers and two officers of the *Madiana* arrived on the *Pretoria* yesterday. The coolness and heroism of the the women on the wreck was highly praised, not one of them for a moment losing her nerve. The incidents of the rescue are fully given.

MADIANA's Captain Blamed. February 22, 1903, p. 4, col. 3. (1156)

NOTE.—The Court censures the Captain for approaching the coast when the light had not been seen, but admits that the Gibbs Hill Light was defective.

[CAPTAIN Fraser's Conduct.] February 23, 1903, p. 6, col. 4. (1157)

NOTE.—This is an editorial note regarding the action of the Court at Bermuda in censuring Captain Fraser.

MADIANA's Captain Here. February 25, 1903, p. 2, col. 1. (1158)

NOTE.—Captain Fraser declared that though a sharp lookout was kept on the night of the wreck no light was seen until toward 4 o'clock, when one which appeared to be fixed, or the St. David's Head Light was seen. It turned out, however, to be the Gibbs Hill Light, which was not revolving that night.

[CAPTAIN Fraser's Story.] February 26, 1903, p. 8, col. 5. (1159)

NOTE.—The Captain "tells a straight and adequate story in explanation of the wreck, and justifies our supposition that the cause of the accident to the vessel was negligence ashore, not carelessness or incompetency afloat." Yet the officials, aware of these facts, condemn the Captain as guilty of "indiscretion."

COLLIER *Alexander* Safe. February 27, 1903, p. 9, col. 2. (1160)

NOTE.—She broke her shaft and drifted for ten days before the Dutch steamship *Beta* took her in tow and landed her at Bermuda.

FEEDING Live Coral at the Aquarium. March 1, 1903, p. 32, col. 3. (1161)

NOTE.—A gorgeous orange-colored sea anemone from Bermuda gives the officials a continued source of worry. "He takes fits of fasting, and often goes a couple of weeks without taking food, but just about the time we have given up hope and firmly believe he is attempting suicide, back comes his appetite, and for days the dinner bell can't ring too often."

LINER *Ontarian* in Trouble. March 2, 1903, p. 3, col. 4.

NOTE.—The *Ontarian* put into Bermuda on February 16 with leaking boilers for temporary repairs. Last Thursday afternoon she signaled the steamship *Picqua* that her boilers were again leaking.

TOPICS of the Times. March 5, 1903, p. 8, col. 4. (1163)

NOTE.—"Copies of the *Bermuda Colonist* now at hand, with full reports of the testimony taken by the board which investigated the loss of the *Madiana*, confirm in the strongest way our inference from the few facts first cabled that the wreck was in great measure, if not in whole, the result of negligence ashore."

Bermuda in Periodical Literature

BERMUDA Expedition, The. June 3, 1903, p. 9, col. 1.

NOTE.—Professor Bristol leaves on Saturday of this week for Bermuda in advance of a party of nearly twenty-five who will leave about June 20th, to study the marine fauna and flora of the islands.

OLD CONFEDERATE Monitor *Scorpion*. June 14, 1903, p. 6, cols. 5-6. (1165)

NOTE.—This old vessel, which has long lain at Bermuda, has been bought by some Canadians to break up as old iron. This fact has prompted some Southerners to advise that it be bought and brought to some southern port as a souvenir of the Lost Cause.

FISHES of Many Hues. July 14, 1903, p. 8, col. 2.

NOTE.—Professor Bristol has sent from Bermuda 182 fish representing 21 species. Probably the most beautiful specimens were the Angel-, Four-eyed-, Butterfly-, Surgeon-, Lady-, and Trigger-Fish.

DIED en Route from Bermuda. July 20, 1903, p. 3, col. 5. (1167)

NOTE.—Mrs. Annie Wailes, a passenger on the *Trinidad*, was found dead in her stateroom a few hours before reaching New York.

VANDERBILT Turbine Yacht Sails. August 2, 1903, p. 4, col. 5. (1168)

NOTE.—The Yacht *Tarantula*, recently towed from London by the Steamship *Cayo Blanco*, sailed to-day for New York.

STUDYING NATURE in the West Indies. August 2, 1903, p. 29, cols. 6-7. (1169)

NOTE.—An account of the methods pursued by the students of the biological station at Bermuda in their investigations.

BERMUDA FISH for the Aquarium. August 11, 1903, p. 2, col. 4. (1170)

NOTE.—There was a new arrival of Bermuda fishes yesterday and another is expected on Monday.

AMERICAN NAVY in British Eyes. August 16, 1903, p. 12, cols. 4, 5. (1171)

NOTE.—This article from the *London Times* gives an account of the three friendly meetings of British and American warships at Kiel in 1895, at Bermuda in 1899, and more recently at Portsmouth.

BOER PRISONERS of War Arrive. September 8, 1903, p. 14, cols. 4-5. (1172)

NOTE.—Five Boer ex-prisoners arrived from Bermuda yesterday on the *Trinidad* on their return to their native country.

BERMUDA for Part of Alaska. November 4, 1903, p. 9, col. 6. (1173)

NOTE.—A suggestion by the *Peterborough* (Ontario) *Times* that Bermuda be exchanged for part of Alaska.

WILL STOP at Bermuda. November 21, 1903, p. 8, col. 7. (1174)

NOTE.—Announcement that the steamers of the Italian Royal Mail Steamship Company will hereafter call at Bermuda.

Bermuda in Periodical Literature

New York Times, The. (Continued.)

HAD Over \$10,000 Jewelry Stolen in Bermuda. December 11, 1903, p. 2, col. 4. (1175)

NOTE.—Two negroes were captured as they landed from the Steamship *Pretoria* with plunder valued at \$15,000, which they had secured by robbing the jewelry store of Duncan M. Roe, on Front Street, in Hamilton. The booty was found bound to their legs.

SEEKS TO EXTRADITE Bermuda Thieves. December 12, 1903, p. 3, col. 2. (1176)

SENATOR CLARK Sails for Bermuda. February 4, 1904, p. 3, col. 3. (1177)

VIZETELLY, Francis ("Frank") Horace. Bermudans and the Revolution. March 4, 1904, p. 8, col. 6.

NOTE.—The writer asks whether the powder used by Washington at the siege of Boston was seized in Bermuda or obtained from Fort Ticonderoga after its capture by Ethan Allen.

SHIPLOAD of Easter Lilies. March 22, 1904, p. 14, col. 3. (1179)

NOTE.—The first consignment of the season from Bermuda arrived on the *Trinidad*.

W. A. CLARK seeking Health. April 13, 1904, p. 1, col. 3. (1180)

NOTE.—Returning a week ago from Bermuda, Senator Clark sailed yesterday to the Mediterranean.

BERMUDA PINE Season. May 1, 1904, p. 4, col. 5.

NOTE.—A notice of the approaching "season for Bermuda pineapples," in which it is stated that, "A dozen schooner-loads of half a million or so come to this country each year." This is evidently an error, as Professor Verrill says (1902), "It is not now cultivated for the fruit, unless experimentally."

BERMUDA Vegetables Coming. May 1, 1904, p. 14, cols. 5, 6. (1182)

NOTE.—"Bermuda produce has been especially good this season, and you can get some idea of the magnitude of the trade when I tell you that 150,000 crates of Bermuda onions have already arrived and about 100,000 crates more are ready to come."

BOER IRRECONCILABLES Here. Remaining Members of the Bermuda Colony En Route for Orange Free State. August 23, 1904, p. 12, col. 6. (1183)

NOTE.—"Eight Boers, the last to be released of the several thousand who were transported to Bermuda by the English after the war in South Africa, arrived in this city yesterday on the Steamship *Trinidad*." They all refused to take the oath of allegiance and will not be allowed to settle in the old Boer Republic. They were in destitute circumstances as no one would employ them. Mr. Clarence E. Schermerhorn of Philadelphia, hearing of their plight, kindly enabled them to return to South Africa.

Bermuda in Periodical Literature

BERMUDA and the Negro. December 11, 1904, p. 5, col. 3. (1184)

NOTE.—President Eliot of Harvard University in an address delivered at Cooper Union said last night that the South needs the courage to follow England's example in the treatment of the negro. "In Bermuda, with a great preponderance of negroes in the population, there [is] absolutely equal suffrage based on an educational and property qualification. With the whites in the minority there, they yet rule and rule satisfactorily."

SEA CAT and Snake Fish. Odd New-Comers at the Aquarium That Haven't Been Seen Here Before. August 26, 1905, p. 7, col. 2. (1185)

NOTE.—The eight tanks of tropical fish landed from Bermuda yesterday complete the importations for the year. In all over one thousand fish were received.

AQUARIUM Sea Cat refused to play. Hasn't moved since it came. August 28, 1905, p. 7, col. 3. (1186)

NOTE.—The cat, the first ever exhibited in the United States, is described and figured by Professor Verrill in his paper, *Additions to the Fauna of the Bermudas* (our No. 1012), pp. 25-27.

TALE of a Deserted Liner. Lying Off Bermuda with "All Well" Signals Flying in a Storm. January 11, 1906, p. 1, col. 5. (1187)

NOTE.—She was sighted by the Italian liner *Liguria*, and appeared to be deserted. Her name was not ascertained.

DRY DOCK not easy towing. January 11, 1906, p. 16, col. 2. (1188)

NOTE.—Frederick Gauzhorn, a seaman on the naval tug *Potomac*, one of the towing fleet of the floating Dry Dock Dewey to Manila, deserted at Bermuda, was arrested, and will be tried by a naval court.

RACE TO BERMUDA To-day. Four Small Yachts Will Start in Long, Hazardous Contest. May 29, 1906, p. 9, col. 6. (1189)

NOTE.—This is a race for a \$500 cup offered by Sir Thomas Lipton. The course is 650 miles in all, leading across the Gulf Stream. The boats entered are the sloop *Bonnie Kate* (41 ft.); the yawl *Lila* (39 ft.); the challenger, the yawl *Tamerlane* (38 ft.); and the sloop *Gauntlet* (30 ft.).

YAWL LILA Ready to Start. Ocean Racers will Get Away at Day-break This Morning. May 29, 1906, p. 9, col. 7. (1190)

NOTE.—The start was to have been made at 5.30 A. M., but was delayed until 8 o'clock.

LILA and TAMERLANE Off. The Yawls Get Away. Finally Sixty-five Hours Behind *Gauntlet*. May 30, 1906, p. 5, col. 6. (1191)

NOTE.—This was a second start, the *Lila* having lost her topmast shortly after her first start.

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New York Times, The. (Continued.)

TAMERLANE, at Bermuda, Leads for Lipton Cup.
Gauntlet Not Sighted — Speculation as to Her
 Safety. Passage takes 127 Hours. June 4, 1906, p.
 7, col. 1. (1192)

LIPTON Cables Admiration. Compliments Mrs.
 Robinson and Tenders to her Consolation Prize.
 June 7, 1906, p. 8, col. 3. (1193)

NOTE.— Mrs. Robinson was the bride of the skipper of the
Gauntlet, which was beaten by a little more than nine
 hours.

AMERICA in Port. Fabre Liner Picked Up, Drifting,
 Off Azore Islands. July 5, 1906, p. 7, col. 4. (1194)

NOTE.— The *America*, disabled by a broken shaft, was
 picked up by the Italian steamer *Dinnamare* and towed
 to Bermuda.

TWO KISSES the Reward for Saving the America.
 July 8, 1906, p. 2, col. 1. (1195)

NOTE.— The *America* was for eleven days helpless at sea.
 This article gives an account of her mishap and of the
 gratitude displayed by the passengers for their rescue.

BERMUDA FISH for the Aquarium. July 14, 1906, p.
 14, col. 4. (1196)

NOTE.— Among the consignment of fish just received at
 the New York Aquarium from Bermuda was a full-
 grown green moray.

LINER AMERICA Arrives. July 20, 1906, p. 14, col. 3.

NOTE.— She was brought in tow by a wrecking tug to
 New York, where she will be repaired.

New York Tribune. New York. folio.

STEAMER in Distress at Bermuda. December 28,
 1902, p. 2, col. 4. (1198)

NOTE.— The *Minnetonka* from Newport, England.

MADIANA's Captain Censured, The. February 22,
 1903, p. 4, col. 4. (1199)

SAILING for Bermuda. March 1, 1903, p. 8, col. 6.

NOTE.— Passenger list.

PUGNACIOUS and Selfish Fish, A. June 21, 1903, p. 8,
 col. 6. (1201)

NOTE.— The selfish habits of four "bean gregorys", which
 were brought to the New York Aquarium from Ber-
 muda last year, are here described.

LIKE a Sea Serpent. Great Length and Sinuous
 Form of the "Ribbon Fish." September 6, 1903, p.

12, cols. 2-4. 1 illustration. (1202)

NOTE.— Based upon an article in the *Scientific American*
 by Charles R. Holden. "Mr. Holden once consulted
 the late Dr. G. Brown Goode of the National Museum,
 in Washington, and his associate, Dr. Tarleton Bean,
 on the subject. These men said: 'Within the last 150
 years individuals have visited the shores of Norway,
 Denmark, the Faroe Islands, Scotland, Ireland, Eng-
 land, France, the Mediterranean, Bermuda, the Cape of
 Good Hope, Hindostan and New Zealand.' Mr.
 Holden adds: 'Gunter reports forty-four, seen by

P L A N
FOR THE
ESTABLISHMENT
OF A
MARINE ACADEMY,
IN THE
ISLANDS
OF
BERMUDA.

BERMUDA:
PRINTED BY JOSEPH STOCKDALE.

TITLE-PAGE OF A PLAN FOR THE ESTABLISHMENT
OF A MARINE ACADEMY IN BERMUDA; BERMUDA,
[1794]. An early Bermuda imprint. See No.
102.

Bermuda in Periodical Literature

naturalists, and doubtless others have been observed and not reported. 'The exact size to which *Regalicus* attains is not known, but specimens ranging up to sixty feet in length have been examined and may be considered, so far as known, giants of the tribe.'

REVENGE of a Waiter. He Gave a Tip Because a Tip Had Not Been Given to Him. April 17, 1904, p. 14, col. 5. (1203)

NOTE.—An attempt to smuggle expensive cigars from Bermuda was frustrated by a cabled tip from some disgruntled hotel servants who had not been tipped by a guest on leaving.

MR. BENEDICT'S Party at Bermuda. November 19, 1904, p. 9, col. 5. (1204)

BELATED JUPITER at Bermuda. November 24, 1904, p. 10, col. 1. (1205)

NOTE.—The *Jupiter*, nine days overdue, arrived at Bermuda yesterday. She was on her way from Java to Boston with a cargo of sugar valued at \$600,000.

HURRICANE Hits Sugar Steamer. December 24, 1904, p. 2, col. 3. (1206)

NOTE.—The *Jupiter* was hit by a hurricane November 15, when 360 miles off Boston Light and nearly overwhelmed. She put into Bermuda and while there fire broke out in one of her holds. Three hundred tons of her cargo were destroyed.

SHIP Blown up at Sea. January 3, 1905, p. 1, col. 3. (1207)

NOTE.—The Norwegian bark *Marpesia*, which sailed from New York with 475,000 gallons of naphtha, was blown up at sea, killing eleven of her crew. The survivors, seven in number, were landed at Bermuda by the Danish steamer *Gallia*.

NEW BERMUDIAN, The. January 4, 1905, p. 4, col. 3. (1208)

NOTE.—This new twin-screw steel steamship is considered one of the most substantial boats sailing in American waters. Built in Sunderland, England, she is of 5,500 tons; length 425 feet; beam 50 feet; depth 36 feet 6 inches. She has accommodations for 240 first-class, 32 second-class, and 48 third-class passengers.

ELECTRIC Bait for Fishes. The New York Aquarium's Supply and Where it is Captured. July 23 1905, p. 2, col. 6. (1209)

NOTE.—Some of the rarest and most beautiful fish which are brought from Bermuda are exceeding hard to catch, refusing to take bait. To overcome this difficulty an electrical device is used which serves to stun the coveted specimen to helplessness until he can be made a prisoner. This is an extract from the *Saturday Evening Post*.

AMERICA Rescue, The. The Tow to Bermuda. Passengers Kissed the Captain of the *Dinnamare*, Which Brought Succor. July 8, 1906, p. 1, col. 2. (1210)

Bermuda in Periodical Literature

Presbyterian Historical Society, The. Journal. Philadelphia. 8°.

STATE of the Presbyterian Interest in Bermuda: May, 1771. Vol. 3 (no. 6, June, 1906), pp. 288-293. (1211)

NOTE.—“The paper following is a transcript of a document in the possession of the Presbyterian Historical Society, purporting to be a copy (in a contemporary hand) of a letter of the date given and which in the copy bears no signature. It covers all four sides of a folio sheet, and the wrapper in which it is contained has the words used as the title of this paper endorsed upon it, together with the following memorandum; both apparently in the handwriting of Ebenezer Hazard:—

“This Accot. of the Church in Bermuda is believed to have been written by Mr. Oliver Demming (or Deming), a young Gentleman from New England (probably *Connecticut*): he was in the Ministry, but it is not recollected whether he was *ordained*. He was in ill health, & went to New York, where he embarked for Bermuda, perhaps in 1770. — ED.”

Royal Gazette, The. Bermuda Commercial and General Advertiser and Recorder. Hamilton, Bermuda. folio.

SHIPMENT of Bermuda Produce to Canadian Market. April 11, 1903, p. 2, col. 1. (1212)

NOTE.—With a view of opening up Canadian markets, a committee appointed by the Board of Agriculture have made a first shipment of produce, especially onions, consisting of 1,200 boxes; 500 for Montreal, 500 for Toronto, and 200 for Halifax. A second shipment of 500 boxes goes to Ottawa.

BERMUDA Islands, The. April 21, 1903, p. 2, col. 1. (1213)

NOTE.—A notice of Professor Verrill's work of that name with a recommendation that copies be placed in every school throughout the colony.

CARLUDOVICA palmata. May 9, 1903, p. 2, col. 3. (1214)

NOTE.—An announcement that Mr. G. A. Bishop, Superintendent of the Botanic Garden, had grown from the seed about 7,000 “plants of the *Carludovica palmata*, or panama hat plant,” which were ready for distribution.

OFFICER'S LIFE in Bermuda, A. D. 1902. By an Officer's Wife. May 12, 1903, p. 2, cols. 2-3. (1215)

NOTE.—A long and rather adverse criticism of Bermuda and its people. Among other matters, she speaks of the water-supply as follows: “Concerning water-supply we are totally dependent on what favour we are in with Jupiter Pluvius. Some months superabundance reaches us through the medium of torrential showers. In others we may sink to family allowance. The rain is collected—often very imperfectly—from the roofs by gutters into tanks, a somewhat primitive method and one not calculated to increase the Englishman's peace of mind. These tanks in their turn become a fruitful source of annoyance. They are generally close to the house and materially assist in bringing many legions of mosquitoes into existence for the worry of alien inhabitants.”

BERMUDIAN. “An Officer's Life in Bermuda.” May 16, 1903, p. 2, col. 2. (1216)

NOTE.—A reply to the foregoing article.

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- BOER "Irreconcilables," The. July 4, 1903, p. 2, col. 2. (1217)
 NOTE.—Seven of the Boers who had refused to take the oath of allegiance or to perform any work were taken from Hawkins Island and landed on the wharf at Hamilton, where they at once camped out under the sheds. It is here suggested that they be held under the Vagrant Act.
- BOER Laäger, The. July 7, 1903, p. 2, col. 1. (1218)
 NOTE.—"The seven irreconcilables still hold the shed on the Corporation wharf. Fifty-six more still remain at Hawkins Island."
- MARINE Biological Station at Frascati, The. July 18, 1903, p. 2, cols. 1, 2. (1219)
 NOTE.—We have here a description of the laboratory and of the facilities for the study of the fauna of the Islands, together with a list of those engaged in the work and the subjects of investigation pursued by each.
- TYPES of Coral Reefs. July 28, 1903, p. 1, col. 1. (1220)
 NOTE.—This is a portion of a letter by the New York Special Correspondent to the *Gazette*, in which he refers to Prof. Alexander Agassiz's paper recently read before the Royal Society in London in which he "told of the formation of barrier reefs and of different types of atolls, the results being based upon observations carried on in Florida, the Bermudas, the Bahamas," etc.
- TOBACCO at the Public Garden. July 28, 1903, p. 2, col. 1. (1221)
 NOTE.—Tobacco-cutting at the Public Garden with its various processes is described.
 "Enough seedlings were raised this year at the Garden to plant six acres. . . . So far the tobacco experiment has been quite successful. The finished product will be this year sent to market, and the price it will fetch will serve to determine whether next year the area under tobacco will be increased."
 Tobacco was grown extensively in the early years of the colony but entirely ceased about 1707 (Verrill, *Bermuda Islands*, p. 143-148).
- EARTHQUAKE Shocks. July 28, 1903, p. 2, col. 2. (1222)
 NOTE.—"A correspondent informs us that yesterday morning between five and six o'clock, two slight shocks of earthquake were felt in Paget East."
- BOER Irreconcilables, The. August 8, 1903, p. 2, col. 1. (1223)
 NOTE.—"The seven inhabitants of the Corporation shed were evicted yesterday by the authorities and found themselves with their scanty baggage in the road in Front street. It is rumored that the remaining fifty-six now at Hawkins Island will be landed at the Army Service Wharf."
- BOER Irreconcilables, The. August 15, 1903, p. 2, col. 4. (1224)
 NOTE.—Police Court proceedings arising from the landing of 19 Boers from Hawkins Island.
- HARVEY, Eldon, *Medical Officer of Health*. Enteric or Typhoid Fever. August 15, 1903, 4 pp. (1225)
 NOTE.—This leaflet, issued with the *Royal Gazette* of August 15th, gives general information regarding the disease, together with precautions to be observed before and during illness.

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Royal Gazette, The. (*Continued.*)

STORY of a Boring Mollusk. August 11, 1903, p. 1, cols. 4, 5. (1226)

NOTE.—An account of a boring mollusk in a bunch of brain coral from Bermuda at the New York Aquarium; by the New York Correspondent.

BISHOP, G. A. The Silo. August 11, 1903, p. 2, cols. 2, 3. (1227)

NOTE.—Describes a sample silo constructed by the Board of Agriculture at the Public Garden and gives directions for its construction.

BISHOP, G. A. Potato Scab ("Oospora Scabies"). August 11, 1903, p. 2, col. 3. (1228)

NOTE.—Gives directions for combating this pest.

NOTES of the Aquarium. August 18, 1903, p. 1, col. 2. (1229)

NOTE.—"With 222 additional specimens, including fishes of twenty-five varieties received last week from Bermuda, the Aquarium's display of tropical fishes is now at about the height of its attractiveness. One more shipment of Bermuda fishes will be received this season. "It is doubtful if any public place in New York has more visitors from out of town than the Aquarium. Every visitor to New York, apparently, has settled on the Aquarium as one of the places that must be seen."

BOER Irreconcilables, The. Twenty sent to Gaol at Hamilton. August 18, 1903, p. 2, cols. 1, 2. (1230)

NOTE.—Police court proceedings.

BERMUDA Whale Fishery. August 29, 1903, p. 1, cols. 2, 3; 4, col. 1; *Supp.*, cols. 1, 2. (1231)

NOTE.—A full consideration, by the Legislative Assembly, of Mr. Eugenius Harvey's petition for the exclusive right, for twenty years, to erect stations and factories for the purpose of engaging in the prosecution of the whale fishery. Editorial comments, p. 2, col. 1.

INTERESTING FOSSIL, An. September 5, 1903, p. 2, col. 2. (1232)

NOTE.—The almost perfect shell of an egg was discovered by a workman while breaking up some stone.

VIZETELLY, Francis ("Frank") Horace. Balmy Bermuda. The Island Paradise of the Summer Sea. September 26, 1903, p. 1, cols. 1, 2. (1233)

NOTE.—A descriptive sketch.

YESTERDAY'S Storm. Fatalities Reported. September 29, 1903, p. 2, cols. 1, 2. (1234)

NOTE.—"A gale of exceptional violence swept over Bermuda yesterday and resulted in injury both to life and limb, and considerable damage to property. The storm, which was the severest that Bermuda has experienced since the hurricane of Sept. 12th, 1899, originated in the east, which is said to be exactly the same quarter as the hurricane of August 30th, 1880, arose from."

STORM of Monday Last, The. October 3, 1903, p. 2, col. 2. (1235)

NOTE.—Further details of damages.



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WHIRLWIND, A. October 24, 1903, p. 2, col. 2. (1236)

NOTE.—"What was described as a whirlwind passed over Somerset about one o'clock yesterday (Friday) afternoon, and partially unslated a number of buildings. The atmospherical disturbance apparently came across Hogs Bay and disappeared at Long Bay."

DERELICT Bark Near Bermuda. October 27, 1903, p. 1, col. 2. (1237)

NOTE.—According to the New York Correspondent of the *Gazette*, the master of the steamer *Zeeburg* reports having boarded the deserted and dismasted Uruguayan bark *Salvatore Talavera* in the vicinity of Bermuda. She was in the track of low-powered steamers from Gibraltar to New York.

NEW QUEBEC LINER for Bermuda Service. November 3, 1903, p. 2, col. 4. (1238)

NOTE.—"The Special Correspondent announces that the Quebec Steamship Company have signed a contract for a new liner which will be placed in service between New York and Bermuda early in November, 1904."

NEW BERMUDA LINE Probable. November 10, 1903, p. 2, cols. 1, 2. (1239)

NOTE.—"The New York Correspondent announces that the Navigazione Generale Italiana, or the Italian Royal Mail Steamship Company, is contemplating having their steamers between New York and the West Indian ports stop at Bermuda in going and returning. Should this be decided upon, calls at Bermuda will commence, perhaps, early in December." See also *Gazette* for November 28, 1903, p. 2, col. 4.

SAUNDERS, S. P. A Bermuda Nocturne. (A Poem.) November 17, 1903, *Supp.*, col. 3. (1240)

VESEY, Nathaniel. The Legislative History of Bermuda. November 21, 1903, p. 1, cols. 1, 2. (1241)

NOTE.—"A paper read at a meeting of the Epworth League held in the Lecture Room of Wesley Church, Hamilton, Thursday last and published by request."

NEW STEAMSHIP SERVICE. November 21, 1903, p. 2, col. 1. (1242)

NOTE.—Editorial announcing that the Italian Royal Mail Steamship Company has decided to despatch the *Piedmonte* to Bermuda on the 5th of December, to be followed by others at intervals of about 20 days.

HISTORY of Bermuda. November 21, 1903, p. 2, col. 1. (1243)

NOTE.—Editorial calling attention to a letter by J. M. S. P. (p. 2, col. 3), calling for a well written history of Bermuda—"such a book as John Fiske might have written if he had tried."

PROPOSED Marine Biological Station, The. December 1, 1903, p. 2, col. 1. (1244)

NOTE.—The message of the Governor, read in the House of Assembly the day before, was accompanied by printed copies of correspondence and various reports, by which it is learned that "the Royal Society has voted a sum of £100 as a contribution towards laboratory expenses; and the Carnegie Institution \$1500 a year for three years on condition that three research tables be placed during that period at its disposal."

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Royal Gazette, The. (*Continued.*)

A Committee appointed to consider the matter of organization "expresses its opinion in favor of a site on the property between the Flatts Bridge and the cutting which connects Flatts Inlet and Harrington Sound near Wistowe. Exclusive of dredging and cost of site, the outlay on buildings, tanks, roads, and suchlike is estimated at £3,000, and the running expenses at £500 per annum, of which £450 would be borne by the Colony."

GEARY, *Lieut.-Gen.* Henry Le Guay, *Governor*. Message [regarding the Establishment of a Marine Biological Station]. December 1, 1903, *Supp.*, [1], p. 2, cols. 3, 4. (1245)

NOTE.—The message was printed as a part of an "Abstract of the Proceedings of the Honourable House of Assembly," for November 30, 1903.

RECENT BURGLARIES in Bermuda, The. Two Coloured Men arrested on the S. S. *Pretoria*. December 19, 1903, p. 1, cols. 2, 3. (1246)

NOTE.—Relates to the clever arrest of two negroes for breaking into Mr. D. Doe's jewelry establishment at Hamilton, December 4th. On landing in New York they were found with their plunder, valued at about \$10,000, secreted on their persons.

VESEY, Nathaniel. Marsh Drainage. January 5, 1904, p. 2, cols. 2, 3. (1247)

NOTE.—A letter showing, that because of the geological formation of the islands, the drainage of the marshes either by canals to the sea or by pumping is impracticable.

THINGS in General. January 23, 1904, p. 2, col. 2. (1248)

NOTE.—"For the first time in thirty-three years the Bermudas have had a snowfall. To dwellers in the States or the United Kingdom, the few tiny flakes which fell on Wednesday would be something too slight to mention, but the weather must have been very severe for even these to fall here. Bermudian children never see 'the old woman plucking her geese,' nor do they know the joys of skating or tobogganing."

MONSTER FISH, A. January 23, 1904, p. 2, col. 4. (1249)

NOTE.—Records the capture, off the outer reef, North Shore, of a "guinea-chicken" hamlet, weighing 202 1-2 lbs. and 18 1/2 when dressed. It measured 5 ft. 10 in. in length and 4 ft. 6 in. in circumference.

"THE NORTH AMERICAN" on the Boers in Bermuda. January 26, 1904, p. 2, col. 1. (1250)

NOTE.—*The North American* of the 17th gives "some fanciful details regarding the Boers now in Bermuda who have refused to take the oath of allegiance to Great Britain."

WATER SUPPLY for Bermuda. January 30, 1904, p. 2, col. 1; *Supp.*, [2], p. 2, col. 3. (1251)

NOTE.—"Extract from *The New York Evening Post*, containing the substance of a report recently made by Mr. Fuller (Jan. 16), of the United States Geological Survey, upon the subject of water supply in Bermuda. Mr. Fuller is of the opinion that there is little likelihood of obtaining fresh water by borings below sea level. A good supply might be had from the underground streams which carry a considerable portion of the rainfall back to the sea, if the difficulty of locating the streams could be overcome."

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WATER SUPPLY Question, *The*. February 2, 1904, p. 1, col. 1. (1252)

NOTE.—A portion of the New York Special Correspondent's Letter of January 23, in which reference is made to Mr. Fuller's report referred to above.

"BERMUDA is 'Great Stuff.'" February 2, 1904, p. 2, col. 5. (1253)

NOTE.—Continuation of the above Letter with a reference to William Wallace Denslow's wedding trip to Bermuda, given in the New York *Mail and Express* in B. B.'s column, "In the Eye of the Town."

CORAL REEFS, *The*. Professor Bristol Treats of Them in Opening Lecture, Somerville Course. March 12, 1904, *Supp.*, [1], p. 1, col. 2. (1254)

NOTE.—An extract from *The Gazette*, Montreal, Saturday, Feb. 27, 1904, giving an account of Professor Bristol's address on "Bermuda and its Coral Reefs."

HOW GEN. WASHINGTON Secured Powder From British Magazine at Bermuda in 1776. March 15, 1904, p. 1, cols. 1-3. (1255)

NOTE.—Letter of the New York correspondent concerning C. E. Hayward and J. Fairfax McLaughlin, Jr.'s letters in the New York *Evening Post*, with quotations from them. See Nos. 1071 and 1073.

BERMUDA NATURAL HISTORY SOCIETY. Third Annual Report of the Executive Committee. March 19, 1904, *Supp.*, p. 1, cols. 1-3. (1256)

NOTE.—Much of this report relates to the Biological Station.

CLEVELAND, DeLancey. How Washington got his Powder. March 29, 1904, p. 2, cols. 4, 5. (1257)

NOTE.—A reprint of the letter which appeared in the New York *Evening Post*, February 24, p. 6, col. 7. In this letter the writer states that the powder was taken on the night of August 14, 1775. The records of the Pennsylvania Committee of Safety say it was received on the 6th. See Nos. 646 and 1072.

LILY GROWING in Bermuda. April 16, 1904, p. 2, col. 5 to p. 3, col. 1. (1258)

NOTE.—Two extracts from *The Florist's Exchange*, of April 9th; one of which contains a quotation from the April number of *Country Life in America*.

SIR H. L. GEARY and Bermuda. June 4, 1904, p. 2, col. 3. (1259)

NOTE.—"A recent issue of the *The King*, a London publication, contains an article entitled, 'A Land of Lilies,' which is an enthusiastic description of Bermuda, its climate, and surroundings by Sir H. Le Guay Geary, recently Governor of these islands. The luxuriance of Bermuda's foliage, and the rapidity of its tree growth is well illustrated, and several panoramic views of the island are reproduced from photographs."

BERMUDA Biological Station. August 27, 1904, p. 1, col. 1. (1260)

NOTE.—The Report of W. Maxwell Greene, U. S. Consul at Bermuda, which appeared in the *Daily Consular Reports*, No. 2026, of the Commerce and Labor Department, August 10, 1904. It gives a concise account of the scientific labors of Professors Bristol and Verrill, and the efforts made to establish a biological station.

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Royal Gazette, The. (Continued.)

TOWED 700 MILES in Teeth of Gale. December 24, 1904, p. 2, col. 5. (1261)

NOTE.—Extract from the *New York Herald* of December 16th, giving an account of the misfortunes of the British Bark *Shakespeare*.

Torrey Botanical Club. Bulletin. New York. 8°.

RICHARDS, Herbert Maule. *Ceramothamnion codii*, a new Rhodophyceous Alga. Vol. 28 (no. —, May 21, 1901), p. 257-265. 2 plates. (1262)

NOTE.—“While in Bermuda during February, 1898, the writer collected a quantity of *Codium tomentosum* which proved on examination to have growing upon it an epiphytic rhodophyceous alga that is decidedly peculiar in character. More material was obtained during the February of the following year, and from these collections the following [very full] account of the morphology of this alga was written.”

Issued separately with cover-title in the “*Contributions from the Department of Botany of Columbia University*—No. 180.”

HOWE, Marshall Avery. Observations on the Algal Genera *Acicularia* and *Acetabulum*. Vol. 28 (no. —, June 19, 1901), p. 321-334. 2 plates. (1263)

NOTE.—“The specimens on which the [first of the] following observations were made were collected by the writer at Hungry Bay, Bermuda, on June 25, 1900. The plants were growing on small stones at about the low tide mark in a shallow creek leading out of a mangrove thicket.” Specimens had been previously collected in Brazil and the West Indies. “But its occurrence now in Bermuda, about a thousand miles further north, is in itself a point of some little interest.”

Two species from Bermuda are here described: *Acicularia Schenckii* (Möb) Solms, plate 24, figs. 1-16, 18-22, plate 25, p. 321-331; and *Acetabulum crenulatum* (Lamx.) Kuntze, plate 24, fig. 17, p. 321.

HOWE, Marshall Avery. Notes on American Hepaticae. Vol. 29 (no. —, May 26, 1902), p. 281-289. (1264)

NOTE.—Three species are here noted as belonging to the Bermudas, of which the first-named, only, had previously been recorded from that locality. They are as follows: *Cephalozia connivens* (Dicks.), p. 281; *Telaranea nematodes* (Gottsche) M. A. Howe, p. 284; and *Cephalozia divaricata* (Sm.) Dumort, p. 286.

Triangle, The. The New York University Weekly. University Heights, N. Y. 8°.

BIOLOGICAL Station at Bermuda. Vol. 11 (no. 14, January 31, 1905), p. 211-213. Y^A (1265)

NOTE.—This article contains the Report of U. S. Consul W. Maxwell Greene, Hamilton, Bermuda, dated July 6, 1904, which appeared in the *Daily Consular Reports*, August 10, 1904, published by the U. S. Government. It was reprinted in *Science*, and comments appeared upon it in the British scientific journal *Nature*; the latter forming a part of this article.

United States—Agriculture, Department of—Division of Agrostology. Circulars. Washington. 8°.

HITCHCOCK, Albert Spear. Bermuda Grass. No. 31, 6 pp. 2 illustrations. (1266)

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NOTE.—Bermuda grass (*Cynodon dactylon*) is well known throughout the Southern States. . . . Although its name would indicate that it came from the Bermudas, it is well known in Europe, and is thought to have originally come from Southern Asia. Bermuda grass is said to have been first noticed in this country about 1825 by General Bethune, of Georgia, who planted it in many places throughout the South."

United States—*Agriculture, Department of—Section of Foreign Markets.* Bulletins. Washington. 8°.

HITCHCOCK, Frank Harris. *Agricultural Exports of the United States by Countries, 1895-1899.* Washington, 1900. 88 pp., 8°. (No. 20.) (1267)

NOTE.—On p. 50 is a tabular statement giving a list of agricultural articles exported by the United States to Bermuda, from 1895-1899, inclusive, with their values. The total value for 1899, including domestic as well as agricultural exports, was \$1,046,351, of which 58 per cent. were agricultural.

United States—*16th Congress, 1st session.* Statement of the Trade between the Port of New-York and Bermuda, for One Year, ending on the 30th September, 1819. Washington, 1820. Y^c (1268)

NOTE.—U. S.—16th Cong., 1st sess. Senate Documents, vol. 1, no. 12; serial no. 26.

This consists of two folding sheets containing a tabular "Statement of the Outward and Inward Trade between the City of New York and the Island of Bermuda, for the year ending the 30th Sept. 1819," giving Date of Clearance, Names of Vessels, Character of Vessel, Tonnage, Articles of which the Cargo is composed, and Value. 39 vessels made the outward trip laden with provisions and merchandise to the value of \$127,280; and 35, the inward passage mostly with cargoes of rum, molasses, and sugar, on which \$116,970 duties were collected.

United States—*24th Congress, 2d session.* Message from the President of the United States, In compliance with a resolution of the Senate, With copies of Correspondence in relation to the Seizure of Slaves on board the brigs *Encomium* and *Enterprise*, February 14, 1837. Washington, 1837. 58 pp. Y^c (1269)

NOTE.—U. S.—24th Cong., 2d sess. Senate Pub. Docs. Vol. 2, Doc. 174; serial no. 298.

"The *Enterprise* . . . sailed from Alexandria, in the District of Columbia, to Charleston, in South Carolina [in 1835], with seventy-eight slaves, the property . . . of citizens of the United States. This brig was driven from her course by tempestuous weather, and compelled, for want of necessary provisions, to put into the port of Hamilton, in . . . the . . . [Bermuda] islands. On her arrival she was seized under pretext of having slaves on board, but was afterwards released, and the captain informed that he might proceed on his voyage. Soon afterwards, however, and whilst engaged in availing himself of the permission, a writ of *habeas corpus* was issued and served upon him, requiring the production of the slaves then on board the vessel. The writ was obeyed, and, on disembarking the slaves, they were immediately taken from his custody and declared free, in consequence of their having been landed in a colony where slavery had ceased to exist."—p. 44. A similar statement is made on p. 35. Two similar cases had arisen in January, 1831, when the *Comet* was wrecked in the Bahamas; and in 1832, when the *Encomium* shared a like fate, the slaves on board in each case being liberated by the court at Nassau.

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United States—38th Congress, 1st session. Bermuda, British Steamship. U. S. government offers \$120,000 for her in Prize Court Oct. 16, 1862. The offer not accepted by the owner. Letter of Henry Wise to Hon. William Stuart, dated Philadelphia, October 18, 1862. Washington, 1864. Y^c (1270)

NOTE.—U. S.—38th Cong., 1st sess. House Exec. Doc. no. 1. Pt. 1, pp. 449-450; serial no. 1180.

This volume contains other letters relating to Bermuda as follows: Lord Lyons to Mr. Seward, Washington, December 31, 1862, pp. 481-482; Mr. Seward to Lord Lyons, Washington, January 3, 1863, p. 483; Wm. H. Seward to Charles Francis Adams, Washington, August 7, 1863, relative to silver captured from American vessels by the *Florida* taken to Bermuda, and thence to Liverpool, p. 385, 404.

United States—National Museum. Bulletins. Washington. 8°.

COPE, Edward Drinkwater. Check-List of North American Batrachia and Reptilia. No. 1 (1875). [iv.] + 104 pp. and cover-title. (1271)

NOTE.—At page 45 the Bermuda lizard, *Eumeces longirostris*, is mentioned. This monograph forms "Article I." of vol. 13 of the *Miscellaneous Collections* of the Smithsonian Institution (Wash. 1878), and no. 1 of vol. 1 of the *Bulletins* of the United States National Museum (Wash. 1877).

RICHARDSON, Harriet. A Monograph on the Isopods of North America. No. 54. liii.+727 pp. and cover-title. (1272)

NOTE.—In this very important and exhaustive work upon the isopodous crustacea, marine, terrestrial, and freshwater, of North America, nearly every species described is quite fully illustrated with figures in the text. No less than 40 species are ascribed to Bermuda, 16 of which were found in no other locality.

The following Bermuda species are described: *Tanais cavolinii* Milne Edwards, pp. 8-11, 7 figs.; *Leptochelia dubia* (Kroyer), pp. 28-29, 7 figs.; *L. rapax* Harger, pp. 30-31, 3 figs.; *Apsudes triangulatus* Richardson, pp. 43-44, 5 figs. (Bermuda only); *A. propinquus* Richardson, pp. 45-47, 4 figs.; *Parapsudes goodei* Richardson, pp. 47-48, 5 figs. (Bermuda only); *Anthelura affinis* Richardson, pp. 70-71, 4 figs. (Bermuda only); *Paranthura infundibulata* Richardson, pp. 76-77, 8 figs. (Bermuda only); *P. verrillii* Richardson, pp. 77-78, 3 figs. (Bermuda only); *Colanthura tenuis* Richardson, pp. 79-80, 6 figs. (Bermuda only); *Colapisthus parvus* Richardson, p. 137, 5 figs. (Bermuda only); *Exocoallana quadricornis* (Hansen), pp. 144-145, 1 fig.; *Alcirona krebsii* Hansen, pp. 157-158, 5 figs.; *Nerocila acuminata* Schöcde and Meinert, pp. 220-221, 7 figs.; *Cymothoa oestrum* (Linnaeus), pp. 254-256, 12 figs.; *Irona nana* Schöcde and Meinert, pp. 265-268, 4 figs.; *Exosphaeroma crenulatum* Richardson, p. 298, 2 figs. (Bermuda only); *Dynamene perforata* Moore, pp. 299-301, 11 figs.; *D. moorei*, new species, p. 303, 2 figs.; *Ciliocia caudata* (Say), pp. 314-318, 11 figs.; *Idothea baltica* (Pallas), pp. 364-365, 3 figs.; *Stenetrium stebbingi* Richardson, pp. 444-446, 10 figs. (Bermuda only); *Carpas bermudensis* Richardson, pp. 452-454, 9 figs. (Bermuda only); *Janira minuta* Richardson, pp. 471-472, 3 figs. (Bermuda only); *Jaropsis rathbuna* Richardson, pp. 478-479, 5 figs. (Bermuda

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only); *Stegias clibanarii* Richardson, pp. 536-537, 2 figs. (Bermuda only); *Probopyrus latreuticola* (Gissler), pp. 560-561, 7 figs.; *Tylos niveus* Budde-Lund, p. 585, 2 figs.; *T. latreilli* Audouin and Savigny, pp. 586-587, 3 figs.; *Philoscia bermudensis* Dahl, pp. 607-608, 6 figs.; *Porcellio lavis* Latreille, pp. 614-616, 7 figs.; *P. parvicornis* Richardson, pp. 616-617, 1 fig. (Bermuda only); *P. scaber* Latreille, pp. 621-624, 19 figs.; *Leptotrichus granulatus* Richardson, pp. 624-625, 1 fig. (Bermuda only); *Metonoporthus pruinosus* (Brandt), pp. 627-629, 19 figs.; *M. sexfasciatus* (Koch), p. 629; *Actoniscus ellipticus* Harger, pp. 634-635, 1 fig.; *Armadillidium vulgare* (Latreille), pp. 666-668, 23 figs.; *Uropodius bermudensis* Richardson, pp. 670-671, 2 figs. (Bermuda only); *Ligyda baudiniani* (Milne Edwards), pp. 678-680, 11 figs.

United States — National Museum. Proceedings.
Washington. 8°.

DALL, William Healey. Synopsis of the Lucinacea and of the American Species. Vol. 23 (no. 1237, 1901), p. 779-833. 4 plates. (1273)

NOTE.—Also issued as a separate with title-page and title-cover. The following species are noted as occurring at Bermuda: *Thyasira croulensis* Jeffreys (as *Clausina*), 1847, p. 787; ? *T. (axinulus?)* species indeterminate, p. 788; *Codakia orbicularis* Linnaeus, 1758, p. 799; *Jagonia orbiculata* var. *orbiculata* Montagu, p. 799; *J. orbiculata* var. *filiata* Dall, 1901, p. 800; *Lucina chrysostoma* (Meuschen) Philippi, 1847, p. 802; *L. philippiana* Reeve, 1850, p. 802; *Phacoides (Callucina) radians* Conrad, 1841, p. 809; *P. (C.) bermudensis* Dall, 1901, pp. 810, 825, plate 39, fig. 5.

Washington Academy of Sciences, The. Proceedings.
Washington. 8°.

CLARK, Hubert Lyman. Echinodermata. Vol. 4 (no. —, September 30, 1902), p. 521-531. (1274)

NOTE.—This paper is No. 12 of a series of "Papers from the Hopkins Stanford Galapagos Expedition, 1898-1899. It is also printed as a separate with title-cover. On pp. 528-530 is a comparison of Galapagos and Bermudan Echinoderms." "It is interesting," says the writer, "to compare the Galapagos fauna with that of the Bermudas, since the latter islands are similarly isolated from the mainland. Leaving out of account the crinoids and deep-water forms, 40 species of echinoderms are known from the Bermudas, and only 31 from the Galapagos. . . . Star-fishes are noticeably uncommon in the Bermudas, while they are very common in the Galapagos; exactly the reverse conditions exist among the Holothurians. . . . By comparing the faunæ of the two regions, with respect to the origin of the Echinoderms, it appears that the Bermudan species are chiefly West Indian, while the Galapagos species are South American, with a few noteworthy exceptions."

POST-ADDENDA.

Academy of Natural Sciences. Proceedings. Philadelphia. 8°.

HARSHBERGER, John William. The Plant Formations of the Bermuda Islands. Vol. 57 (pt. 2—, October, 1905), p. 695-700. (1275)

NOTE.—Also issued as a separate, with cover-title, December 6, 1905.

HARSHBERGER, John William. The Hour-Glass Stems of the Bermuda Palmetto. Vol. 57 (pt. 2—, October, 1905), p. 701-704. 1 plate (42). (1276)

NOTE.—Also issued as a separate, with cover-title, December 6, 1905. Attention was first called to the hour-glass constrictions of the trunk, or caudex, of the Bermuda palm, *Sabal Blackburniana* Glazebrook, by Mr. Oswald A. Reade, in a communication to Sir Joseph Hooker. No further attention was paid to the subject by any botanist until the present paper, which is based upon observations made by the author at Bermuda in June, 1905. These very curious and absolutely unique contractions the writer attributes to the "manner in which palm stems grow in general and the influence of the meteorologic and soil (edaphic) conditions on the cells of the growing crown," or to their alternately luxurious and stunted growth caused by periods of dry and wet weather or by their environmental condition.

American Academy of Arts and Sciences. Proceedings. Boston. 8°.

BIGELOW, Henry Bryant. The Shoal-Water Deposits of the Bermuda Banks. Vol. 40 (no. 15, February, 1905), p. 557-592. 4 maps. (1277)

NOTE.—This paper forms No. 5 of the *Contributions of the Bermuda Biological Station for Research*. Also issued as a separate, February, 1905, with title-cover.

"Although the general features of the Bermudas, both geographic and geologic, are well known, but little attention has been paid to the bottom deposits. Almost the whole information which we possess on this subject is contained in the brief accounts of the Challenger expedition and of Mr. Agassiz's explorations.

"One of the most striking features of all the beaches and submerged sands is the complete absence of any true coral sand, and the great rarity of coral fragments of any kind. This is, of course, strictly in agreement with the fact that the Bermudas are in no sense a coral island, and that coral has had practically nothing to do with their formation and growth.

"The bottom deposits of Bermuda fall into three main types: first, the blue muds; second, the white marls; and third, the shell sands."

The paper closes with a consideration of the Challenger Bank (p. 586-591) and a Bibliography of the subject (p. 591-592).

Bermuda in Periodical Literature

American Association for the Advancement of Science. Proceedings. Washington. 8°.

MARK, Edward Laurens. The Bermuda Islands and the Bermuda Biological Station for Research. Vol. 54 (1895), p. [471]-501. 16 plates, with 31 figures and 4 maps in the text. (1278)

NOTE.—Also issued as a separate (31 pp. and title, also cover-title, and 16 plates), Cambridge, Mass., February, 1905. It also appeared in the **Popular Science Monthly**, vol. 66 (no. 5, March, 1905), p. 393-411, also (no. 6, April, 1905), p.—, with all the illustrations and maps in the text.

This paper is no. 6 of the *Contributions of the Bermuda Biological Station for Research*. It contains a description of the islands and gives a short history of the Biological Station from its inception and of the work which has been done and is planned for the future. In addition to the papers already published materials have been collected upon a variety of other subjects upon which special papers will be published from time to time.

To enable future workers to find the precise localities where recorded specimens have been procured, the Ordnance-Survey Map of the Bermudas, on a scale of 880 feet to the inch, has been ruled off into rectangles of 10 seconds square, so that each specimen taken can be located within a very few feet of the place where it was found.

"The Bermuda Government has decided to erect a permanent Aquarium and Biological Station at the Flatts, in accordance with the plans that I have already referred to, and has voted a sum of money (about \$20,000) for the undertaking, and a smaller annual sum (\$2,000) for its maintenance. It is expected that when the buildings are completed arrangements will be made to have the Station open for research throughout the year."

American Journal of Science and Arts. [Silliman's.] New Haven. 8°.

VERRILL, Addison Emery. Critical remarks on the Halcyonoid Polyps with descriptions of a new species in the Museum of Yale College. 2d series, vol. 48; *Poole*. Vol. 98 (no. 144, November, 1869), p. 419-429. Y^A (1279)

NOTE.—The following species are here noted as from the Bermudas: *Gorgonia fiabellum* Linn., p. 424; *G. acerosa* Pallas, p. 424; *G. turgida* (Ehr.) V., p. 424.

American Monthly Illustrated Review of Reviews. See Review of Reviews.

American Spectator. An American Illustrated Journal for the Nation from its Capital. Washington. folio.

BAYS, W. W. Bermuda Fancies [a poem]. Vol. 6 (no. 22, whole no. 139, June 2, 1906), p. 9. Y^L (1280)

Annales Maritimes et Coloniales. Paris. 8°.

[DAUSSY, P.] Voyage dans l'Océan atlantique méridional, exécuté dans les années 1828, 1829 et 1830, par le sloop *le Chanticleer*, sous le commandement du capitaine Henri Foster. Vol. 58 (20^e année [1835]) —2^e Série, Partie non Officielle, p. 88-104. Y^A (1281)

Bermuda in Periodical Literature

Annales Maritimes et Coloniales. (Continued.)

NOTE.—A review of Captain Foster's expedition with a summary of its scientific results. The latitude, longitude, declination of the magnetic needle, and inclination as observed at Bermuda are given on p. 92, 93, 101, and 104.

Annals and Magazine of Natural History. London. 8°.

BEDDARD, Frank Evers. Investigations into Structure of Oligochaeta. Vol. 7, 6th series (no. 37, January, 1891), p. 88-96. Y^A (1282)

NOTE.—Gives a description of a new species, *Pontodrilus Bermudensis* ("?=*P. arena* Mich., f. Moore."—Verrill.) recently forwarded from Bermuda by Surgeon-General Windle.

Athenæum, The. Journal of Literature, Science, the Fine Arts, Music, and the Drama. London. 4°.

ATKINSON, Ernest G. American Clergy, Eighteenth Century. [Vol. 119] (no. 3887, April 26, 1902), p. 531. Y^L (1283)

NOTE.—"Among some miscellaneous papers of the Exchequer of Receipt, recently arranged, there are turned up a few letters of divers Bishops of London, asking for a royal bounty of 20*l* granted to clergymen proceeding to America to defray the cost of their passage out." Then follows a table of ten names of such clergymen, among which is that of the Rev. Richard Locke, Bermudas, July 4, 1743.

Auk, The: A Quarterly Journal of Ornithology. Cambridge, Mass. 8°.

PRENTISS, Daniel Webster. Notes on the Birds of Bermuda. Vol. 13 (no. 13, July, 1896), p. 237-240. Y^A (1284)

NOTE.—"Bulletin 25 of the United States National Museum, on the Natural History of Bermuda, contains some remarks on Bermudian Birds. Since its publication in 1884 two species have been added to the Bermudian Fauna, namely, the Mockingbird, *Mimus polyglottos*, and the European Goldfinch, *Carduelis carduelis*.

"It may be of interest to note the six common resident birds of Bermuda, which include about the only birds seen in the winter:—

- (1) *Vireo noveboracensis*. White-eyed Vireo, called the 'Chick of the Village.'
- (2) *Cardinalis cardinalis*. The Cardinal Bird.
- (3) *Sialia sialis*. The Bluebird.
- (4) *Galeoscoptes carolinensis*. The Catbird.
- (5) *Columbigallina passerina*. The Ground Dove.
- (6) *Passer domesticus*. The English Sparrow.

The author also remarks on three other species:—

- (7) The Crow.
- (8) The Kingfisher (*Ceryle alcyon*).
- (9) The Tropic Bird (*Phaethon flavirostris*). "This year the advance guard arrived February 28. The Tropic Bird is popularly called the 'Bo'sin Bird.'

ELEVENTH Supplement to the American Ornithologists' Union Check-List of North American Birds. Vol. 19 (no. 3, July, 1902), p. 315-342. Y^A (1285)

NOTE.—Under heading I. Additions to the Check-list and accepted changes in nomenclature, appear:

- 320*b*. *Columbigallina passerina bermudiana* (Bangs & Bradlee). Bermuda Ground Dove.
- 631*b*. *Vireo noveboracensis bermudianus* (Bangs & Bradlee). Bermuda Vireo.

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And under III. Species and Subspecies not accepted :
Cardinalis bermudianus Bangs & Bradlee, Auk,
 XVIII., July, 1901, 256 (June 30, 1901).
Cardinalis cardinalis somersi Verrill, Am. Journ.
 Sci. (4) XII., July, 1901, 65 (June 30, 1901).
Sialia sialis bermudensis Verrill, Am. Journ. Sci. (4),
 XII., July, 1901, 65.

Bermuda Colonist, The. Hamilton, Bermuda. folio.
 STORM of Monday, The. October 7, 1903, p. 1, cols.

1-5. (1286)
 NOTE.—This account of the storm of September 28th is
 republished from the *Colonist* of September 30th, with
 additional information.

Heavy damage was wrought throughout the colony.
 Two men were killed, buildings were demolished, gar-
 dens destroyed, shipping and boats sunk and stranded,
 and much other loss sustained.

"The latest intelligence to hand indicates that the
 storm of September 28th has cost this colony several
 thousand pounds. Hundreds of buildings have been
 more or less damaged. The splendid extension to the
 Princess Hotel was entirely demolished, and this alone
 represents a loss of £1,600. The storm damage to
 public works and buildings is estimated at £2,000. The
 damage to imperial property is very heavy . . . the
 estimate put at £10,000. . . . In point of expense, the
 storm of September 28, 1903, has proved no exception to
 the general rule."

Boston Evening Transcript. Boston. folio.

CUSHMAN, Herbert Ernest. The Charm of Bermuda.

"The Land of the Lily and the Rose." February
 7, 1903, 2 cols. (1287)

NOTE.—"All Bermuda is a mass of undulating green
 and white rising from the peculiar blue-green waters of
 the semi-tropical seas. And these waters — what a
 wonderful color they are! A celebrated painter declared
 it could not be named. Sometimes they seem distinctly
 blue — cerulean, robin's egg blue. Again they are the
 greenest of green, a saturated green. Still again you
 call the color peacock-green, or again peacock-blue."

After giving his impressions, the writer closes with
 the social problems in Bermuda. Of the negroes he
 says: "All in all they were apparently excellent
 citizens. Yet race-lines are drawn even in English
 Bermuda."

Botanical Gazette, The. Crawfordsville, Ind. 8°.

KEAN, Alexander Livingston. The lily disease in
 Bermuda. Vol. 15 (no. 1, January, 1890), p. 8-14.
 1 plate (1). (1288)

NOTE.—The author visited Bermuda in 1888, and again in
 1889 to study the lily disease. The disease was first
 noticed in 1885 and increased to such an extent as to
 seriously threaten the lily crop.

The principal conclusions arrived at in this paper
 are the following:

"1. A disease, hitherto unexplained, and threatening
 to become a serious epidemic in the lily fields of
 Bermuda, has been assigned to a definite cause.

"2. There is no evidence that the blight is due to the
 stings of insects.

"3. There is no evidence that the disease is caused by
 bacteria.

"4. There is strong evidence that the disease is caused
 by a fungus, growing upon and within the leaves or
 flowers.

"5. The fungus which causes the Bermuda lily
 disease is identical with the *Botrytis* recently described
 as the cause of a similar disease in England."

Bermuda in Periodical Literature

Brooklyn Eagle. Brooklyn. folio.

VIZETELLY, Francis ("Frank") Horace. Hero of U. S. S. *President* buried in Foreign Soil. Richard Sutherland Dale's Grave is in St. Peter's Churchyard, Bermuda. Shot off *Endymion's* Mast. Dale Stuck to the Work of Firing Gun of Decapitated Messmate Until He Fell Unconscious. July 9, 1905, p. **3, col. 6. (1289)

NOTE.—"Dale was the son of another gallant seaman who fought by the side of America's first admiral, John Paul Jones, on the *Bonhomme Richard*. . . . Now that the spirit of reverence and patriotism for the country's dead has been awakened and that the body of Paul Jones is to be removed to the United States, efforts will perhaps be made to bring the remains of Richard Sutherland Dale to America."

Evening Telegram, The. New York. folio.

HAVE HELPED Boer Boys in Bermuda. February 22, 1902, p. 6, col. 3. (1290)

NOTE.—Letters from three New York boys who have made contributions for the boy prisoners in Bermuda.

ALL SAFELY LANDED from the *Madiana*; Rescue Work is done in Small Boats. February 10, 1903, p. 1, cols. 1-4; p. 2, cols. 1-4. (1291)

NOTE.—With a map and picture of the *Madiana*. A list of the passengers is given.

Field Columbian Museum. Publications. Chicago. 8°.

BEAN, Tarleton Hoffman. A Catalogue of the Fishes of Bermuda, with Notes on a Collection made in 1905 for the Field Museum. Publication no. 108; Zoological Series, vol. 7 (no. 2, July, 1906), p. 19-89. 14 figures in the text. (1292)

NOTE.—Also issued separately with cover-title.

"The expedition obtained [from August to November, 1905] 166 species of fishes, of which 12 are believed to be new to science. The new species, with one exception, were described in the Proceedings of the Biological Society of Washington, Feb. 26, 1906. The whole number of recorded species, as will be seen from the subjoined catalogue, is 261.

"Only a single species belongs to the fresh-water series, and that is the introduced goldfish. A killifish (*Fundulus bermuda*) is native to the brackish waters in several of the islands. The rest of the fishes are marine and nearly all are members of the West Indian fauna.

"Since the return of the expedition Mr. Louis L. Mowbray has obtained the following species: *Siphonoma jonesi*, *Rhomboplites aurorubens*, *Canthigaster rostratus*, and an undetermined *Pontinus*."

To the list as printed should be added (139a) *Lutianus hastingi* Bean.

The following are the new species recorded, viz.: 58. *Hippocampus brunneus* Bean, Sea Horse, p. 39-40, fig. 1; 74. *Holocentrus meeki* Bean, p. 42-43, fig. 2; 165. *Eupomacentrus chrysus* Bean, p. 61-62, fig. 4; 174. *Irideo decoratus* Bean, p. 64, fig. 5; 175. *I. elegans* Bean, p. 65, fig. 6; 176. *I. meyeri* Bean, p. 65-67, fig. 7; 177. *I. microstomus* Bean, p. 67-68, fig. 8; 192. *Cryptotomus crassiceps* Bean, p. 70-71, fig. 9; 218. *Monacanthus tuckeri* Bean, p. 78, fig. 11; 235. *Rhinogobius mowbrayi* sp. nov., p. 81-83, fig. 12; 241. *Labrisomus lentiginosus* Bean, p. 83-84, fig. 13; 256. *Antennarius verrucosus* Bean, Toad Fish, p. 88-89, fig. 14.

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All of the above except *Lutianus hastingsi* and *Rhinogobius morobrayi* were described in the *Proceedings of the Biological Society of Washington*, vol. 19 (no. —, February 26, 1901), p. 29-33.

Greenwich News, The. Greenwich, Conn. folio.

CLARK, Kate Upson. A Bermuda Fisherman's Daughter. September 23, 1904, p. 4, cols. 2-4; p. 6, col. 4. (1293)

NOTE.—A story.

Great Britain — Master of the Rolls. Calendar of State Papers, Colonial Series, Preserved in the State Paper Department of her Majesty's Public Record Office. Edited by W. Noel Saintsbury. London, 1860-1880. 2 vols., 8°. Y^L (1294)

NOTE.—The first of these volumes is lettered on the back: "Colonial Series; 1574-1660",—the second: "Colonial Series; America and West Indies; 1661-1668."

These and the succeeding volumes of the series contain many entries relating to the early history of the Bermudas. The indexes should be consulted under the entries *Somers Islands* and *Bermudas*.

Nature. A Weekly Illustrated Journal of Science. London. 8°.

[PROTECTIVE resemblance.] Vol. 70 (no. 1816, August 18, 1904), p. 389. Y^A (1295)

NOTE.—Comments on a remarkable instance of protective resemblance described by Mr. Leon J. Cole in a paper on pycnogonid arachnida published in vol. 31, p. 315-328 of the *Proceedings of the Boston Natural History Society*. The form in question is the *Anoplo-dactylus insignis bermudensis*, which corresponds very closely, both in form and color, with the hydroid zoöphyte *Obelia marginata*, of common occurrence in the Bermuda sea, among the branches of which it lives.

New York Tribune. New York. folio.

FISH from Bermuda. May 27, 1906, Pt. 3, p. 4, 5, and 8. 7 illustrations. (1296)

NOTE.—An interesting description of the methods employed by the Bermudian fishermen in securing specimens for the New York Aquarium. After an account of the care needed to keep the fish alive and healthy in captivity is given a list of 44 popular names of the principal Bermuda fish caught in traps and sent to the Aquarium.

North American Review and Miscellaneous Journal. Boston. 8°.

[BOOKS relating to America.] Vol. 4 (no. 11, January, 1817), p. 145-157. (1297)

NOTE.—A review of Captain John SMITH's *Generall Historie of Virginia, New England and the Summer Islands*. Pages 150-153 are taken up with quotations relating to the Summer Islands or Bermuda. The first gives an account of Andrew Hilliard's wonderful escape from shipwreck; the second, of the strange voyage of five men from Bermuda to Ireland in 1616. These anecdotes are taken from pages 182 and 183-184 of the original edition of 1624.

Bermuda in Periodical Literature

Popular Science Monthly, The. New York. 8°.

MARK, Edward Laurens. The Bermuda Islands and the Bermuda Biological Station for Research. Vol. 66 (no. 5, March, 1905), p. 393-411; also (no. 6, April, 1905). 16 *illustrations* and 4 *maps* in the text. (1298)

NOTE.—See American Association for the Advancement of Science, *Proceedings*. This paper forms no. 6 of the *Contributions* of the Bermuda Biological Station for Research.

Popular Science News. Formerly Boston Journal of Chemistry. New York. 4°.

VERRILL, Alpheus Hyatt. Flowers of the Bermuda Sea. Vol. 36 (no. 4, April, 1902), p. 73-74. 3 *illustrations*. Y^A (1299)

NOTE.—A description of the beauties of the actinias, or sea-anemones, of the Bermuda waters. The following species are illustrated: *Epicystis osculifera*, side and top views, and *Lebrunia danae*. The "*Condylactis passiflora*," he says, is "one of the commonest of West Indian and Bermudian anemones [and] is truly a most gorgeous creature and rivals any flower on earth. Of large size—from a foot to two feet in diameter,—with long, gracefully-tapered tentacles, its form and size alone would attract attention anywhere. Add to this, a stout body of brilliant carmine, vermillion, or orange and paint the tentacles with fine alternating lines of brown or green and white, and to finish off the whole, tip each tentacle with dazzling mauve or azure, and you may have some idea of how these magnificent sea-flowers appear in life."

Queen's Quarterly. Kingston, Ontario. 8°.

ROGERS, Dr. R. Vashon. Bermuda. 1 *plate* and 4 *illustrations*. Vol. 10 (no. 2, October, 1902), p. 125-136. (1300)

NOTE.—A historical and descriptive sketch closing with an account of the witchcraft trials which took place there about the year 1651.

MISCELLANEOUS.

During the progress of this work the compiler has collected numerous references, which, owing to pressure of other work, he has been unable to verify. All that precede have been examined with the work in hand. Many of those which follow have been furnished by Professor Verrill and other friends interested in the work and will doubtless be found correct, though treated less fully than those already given. Their omission would not only be an injustice to the reader, but to those who have so generously furnished them.

Academy of Natural Sciences. Proceedings. Philadelphia. 8°.

HEILPRIN, Angelo. The Corals and Coral Reefs of the Western Waters of the Gulf of Mexico. Vol. for 1890 (1891), p. 303-316. *plates* VI.-VII. (1301)
NOTE.—"Refers incidentally to Bermuda reefs."—Verrill.

American Journal of Physiology.

MENDEL, Lafayette Benedict. On the Occurrence of Iodine in Corals. Vol. 4 (no. 5, September 1, 1900), p. 243-246. (1302)

NOTE.—"The three species of gorgonians analyzed, *Gorgonia flabellum*, *G. acerosa*, and *Plexaura flexuosa*, were from Bermuda, furnished by the writer."—Verrill.

COOK, Frank C. The Chemical Composition of some Gorgonian Corals. Vol. 12 (no. 1, September 1, 1904), p. 95-98. (1303)

NOTE.—"Six of the species analyzed were from Bermuda."—Verrill.

American Journal of Science and Arts. [Silliman's.] New Haven. 8°.

VERRILL, Addison Emery. Descriptions of imperfectly known and new American Actinians, with critical notes on other species. Parts I.-V. Vols. 156-157 (December, 1898-99), 41 pp. 36 *cuts*. (1304)

NOTE.—See *supra* No. 23, for Bermuda species noted in Parts I.-III. of the above papers.

BERMUDA Islands, The. Series IV., vol. 15 (no. 88, April, 1903), p. 332-333. (1305)

NOTE.—A book notice of Professor Verrill's work of the above name, reprinted from vol. XI., part II. (centennial volume) of the Transactions of the Connecticut Academy of Arts and Sciences. See *supra*.

ZOOLOGY of the Bermudas. Series IV., vol. 15 (no. 88, April, 1903), p. 333. (1305a)

NOTE.—A book notice of Professor Verrill's work consisting of reprints of 15 articles "published during the past two years in the Trans. Conn. Acad. and elsewhere."

Bermuda in Periodical Literature

American Journal of Science and Arts. (Continued.)

BUSH, Katherine J. Notes on the Relation of the Two Genera of Tubicolous Annelids, *Vermilia* Lamarck, 1818, and *Pomatoceros* Philippi, 1844. Series IV., vol. 23 (January, 1907), p. 51-58. (1305b)
NOTE.—"A new genus, *Pseudovermilia*, is diagnosed from Bermuda."—Verrill.

BUSH, Katherine J. Descriptions of the Two Genera of Tubicolous Annelids, *Poraveremia* and *Pseudovermilia*, with Species from Bermuda referable to Them. Series IV., vol. 23 (February, 1907), p. 131-136. (1305c)

NOTE.—"Four new species are described."—Verrill.

American Museum of Natural History. Bulletin. New York. 8°.

DUERDEN, J. E. West Indian Sponge-incrusting Actinians. Vol. 19 (1903), p. 495-503. 4 plates. (1306)

NOTE.—"One Bermuda species, see p. 500."—Verrill.

WHEELER, William Morton. The Ants of the Bermudas. Vol. 22 (no. 20, September, 1906), p. 347-352. (1306a)

NOTE.—"Six species are added to the fauna, of which one (*Prenolepis Kincaidi*) is new."—Verrill.

American Naturalist. An Illustrated Magazine of Natural History. Philadelphia. 8°.

DUERDEN, J. E. Aggregated Colonies in Madreporarian Corals. Vol. 36 (no. —, 1902), p. 461-471. (1307)

American Academy of Arts and Sciences. Proceedings. 8°.

BIGELOW, Henry B. The Shoal-Water Deposits of the Bermuda Banks. Vol. 40 (no. 15, Feb., 1905), p. 557-592. (1308)

NOTE.—This paper forms No. 5 of the *Contributions of the Bermuda Biological Station for Research* (See No. 997).

Berkeley, George, *Bishop of Cloyne*. A Proposal for the Better Supplying of Churches in our Foreign Plantations, and for Converting the Savage Americans to Christianity, by a College to be erected in the Summer Islands, otherwise called the Isles of the Bermuda. London, 1724. 8°. 22 pp. (1309)

NOTE.—"2d Ed., 24 pp., 1725. Reprinted by several authors. Contains statements as to the destruction of cedars and decline of orange culture."—Verrill.

Bermuda — General Assembly. Acts of Assembly made and enacted in the Bermuda or Summer Islands, from 1690 to 1713-4. London, 1719. folio. (1310)

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- ACTS of Assembly; 1714- . London, 1737. folio.
(1311)
- ACTS of the Legislature of the Islands of Bermuda
remaining in force at the end of the Year 1860.
Compiled by J. H. Darrell. New York, 1862. 8°.
(1312)
- ACTS of the Legislature of the Islands of Bermuda;
1690 to 1883. Compiled by Reginald Gray. Lon-
don, 1884. 2 vols., 8°. (1313)
- NOTE.— Vol. 1; 1690-1867.
Vol. 2; 1868-1883.
- JOURNAL of ye Votes of Assembly; (unpublished
Records of the House of Assembly of Bermuda,
from 1691 to 1785). Hamilton, 1890. 3 vols., 8°. (1314)
- Biological Society of Washington.** Proceedings.
Washington. 8°.
- BEAN, Tarleton Hoffman. Descriptions of New Ber-
dian Fishes. Vol. 19 (Feb., 1906), p. 29-34. (1315)
- NOTE.—“Eleven new species.”—*Verrill*.
- Bishop, George A.** The Diseases of the Lily in Ber-
muda; their Cause, Treatment, and Prevention.
Hamilton, 1898. (1316)
- Boston Society of Natural History.** Memoirs. Bos-
ton. 4°.
- HYATT, Alpheus. Revision of the North American
Poriferæ, with Remarks on Foreign Species. Vol.
2 (part I., 1874), p. 1-10. plate XIII. (1317)
- NOTE.—“Bermuda specimens, see p. 4, 5, and plate.”—*Verrill*.
- HYATT, Alpheus. Revision of the North American
Poriferæ, with Remarks on Foreign Species. Vol.
2 (part II., 1876), p. 11-84. plates XV.-XVII. (1318)
- NOTE.—“Bermuda specimens on p. 44, 45, 51, 58, 77;
some are figured.”—*Verrill*.
- CLARK, Hubert Lyman. *Synapta vivipara*. Vol. 5
(no. 3, 1898), p. —. (1319)
- NOTE.—“A Bermuda species, *S. picta* Theel, is discussed
and made synonym on p. 55.”—*Verrill*.
- British Museum.** Catalogues. London. 8°(?).
- DOBSON, —. Catalogue of Cheiroptera in the British
Museum. (1878.) (1320)
- THEOBALD, F. V. Monograph of the Culicidæ of
the World. (1321)
- NOTE.—Records the mosquito *Culex fatigans* Wied.
from Bermuda (vol. 1, p. 28, fig. 16; vol. 2, p. 151, plate,
xxix., figs. 114, 115); also the yellow fever mosquito
Stegomyia fasciata (Fab.) (vol. 1, p. 288, 293, pl. xiii.,
figs. 49, 50); both from collections made by Dr. Eldon
Harvey.

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- Challenger Expedition.** Reports. Zoölogy. London. 4°.
QUELCH, John Joseph. Report on the Reef-Corals. Vol. 16 (part 46, 1886), 202 pp. 12 *plates*. (1322)
 NOTE.—"Enumerates nearly all the known corals of Bermuda, with descriptions of many. Admits too many species of *Isophyllia*, *Oculina*, and *Meandrina*."—*Verrill*.
- Clark**, J. C. Lawrence. Tom Moore in Bermuda. A Bit of Literary Gossip. Lancaster, Mass., 15 pp., 4°. 23 *cuts*. Published by the author. (1322a)
- Connecticut Academy of Arts and Sciences.** Transactions. New Haven. 8°.
VERRILL, Addison Emery. The Bermuda Islands. An Account of their Scenery, Climate, Productions, Physiography, Natural History and Geology, with Sketches of their Discovery and Early History, and the changes in their Flora and Fauna due to Man. Vol. 11 (part 2, April, 1902, to February, 1903), p. i.-viii., 413-956, including a full index of 44 pp. 285 *cuts in text*; 40 *plates* (lxv.-civ.). (1323)
 NOTE.—For an exhaustive synopsis of the contents, See No. 929.
- VERRILL**, Addison Emery. Part IV. Geology and Paleontology. Vol. 12 (June, 1905-March, 1906), p. 45-204. 60 *cuts*, 4 *maps*, 12 *plates*, with bibliography. (1323a)
- VERRILL**, Addison Emery. Part V. Characteristic Life of the Bermuda Coral Reefs. Section 1, vol. 12 (March, 1906-March, 1907), p. 204-348. 120 *cuts*, 25 *plates*. (In press.) (1323b)
 NOTE.—"This includes descriptions and figures of nearly all the reef corals, gorgonians, actinians, echinoderms, and silicious sponges."—*Verrill*.
- Cotter**, Richard. Sketches of Bermuda. London, 1824. 8°. (1324)
- Dana**, James Dwight. Corals and Coral Islands. 3d edition. New York, 1890. (1325)
 NOTE.—The list of Bermuda corals and gorgonians on p. 114 was determined by Prof. A. E. Verrill.
- Dana**, James Dwight. Manual of Geology. 4th edition. New York, 1895. (1326)
 NOTE.—"In this edition the references to Bermuda are on p. 20, 46, 145, 162, 213, 224."—*Verrill*.
- Farnsworth**, J. M. Driving and Cycling Road Map of the Bermuda Islands. 2d edition. New York, 1898. (1327)
 NOTE.—Indicates the relative grades and qualities of the highways.

Bermuda in Periodical Literature

Field Columbian Museum — *Zoölogical Series*. Publication 108. Chicago. 8°.

BEAN, Tarleton H. A Catalogue of the Fishes of Bermuda, with notes on a Collection made in 1905 for the Field Museum. Vol. 7 (no. 2, July, 1906), p. 21-89. 14 cuts. (1327a)

NOTE.—"This list contains 261 species, many of which are new to the fauna; the 12 new species obtained are described and figured. It contains valuable information concerning the Argus and Challenger Banks, which were fished upon. Also notes on the capture of the wood rat and native lizard."—Verrill.

Findlay, A. G. A Chart of the Bermudas or Somers' Islands, with Plans of the Narrows and Murray Anchorage, and St. George's Harbour, etc.; accompanied by a Description of the Islands. London, 1870. (1328)

Forest and Stream. New York.

GOODE, George Brown. Bermuda and its Fish Markets. Vol. 6 (no. 6, March 16, 1876), p. 83-84. (1328a)

NOTE.—These notes from advance sheets of the writer's *Catalogue of the Fishes of the Bermudas* relate to the Topography of the Islands, its Fisheries and Fish-Markets, the Relations of the Bermudian Fish-Fauna, and the Popular Names by which the Fish are there known.

Geological Society of London. Quarterly Journal London. 8°.

GREGORY, John Walter. Contributions to the Paleontology and Physical Geology of the West Indies. Vol. 51 (February 20, 1895), p. 255-310. plate II. (1329)

NOTE.—"This is chiefly devoted to the fossil and recent corals and includes lengthy synonymy, which in numerous cases is erroneous, as Vaughan has shown. He recorded three fossil species from Bermuda and several recent ones. Among the latter, he erroneously recorded *Colpophyllia gyrosa*, due to the fact that he wrongly considered *Mussa fragilis* Dana a synonym of that species. His record of *Agaricia agaricites* is probably also due to his erroneous synonymy, for he did not record *A. fragilis* from Bermuda, which he very likely confounded with the former."—Verrill.

Gesellschaft Naturforschender Freunde. Sitzungsbericht. Berlin. 8°.

MARTENS, E. von. (1889), p. 201. (1330)

NOTE.—"Records fossil snail *P. Nelsoni*, from collection of Beyrich."—Verrill.

Harvard College — *Museum of Comparative Zoölogy*. Bulletin. Cambridge. 8°.

VERRILL, Addison Emery. Vol. 1 (no. 3, — 1864), p. 29-60. (1331)

NOTE.—"Records a number of gorgonians and corals from Bermuda."—Verrill.

Bermuda in Periodical Literature

Harvard College. (*Continued.*)

BARBOUR, Thomas. Notes on Bermudian Fishes. Vol. 47 (no. 7, September, 1905), p. 109-174. 4 plates. (1332)

NOTE.—"Records many additions to the fauna and some new species."—Verrill. This paper forms No. 7 of the *Contributions of the Bermuda Biological Station for Research*.

Harvard College—*Museum of Comparative Zoölogy*. Illustrated Catalogue. 4°.

LYMAN, Theodore. Ophiuridæ and Astrophytidæ. (No. 1, 1865), 200 pp.; many cuts; 2 colored plates. (1333)

NOTE.—"It contains the earliest record of several Bermuda species."—Verrill.

Harvard College—*Museum of Comparative Zoölogy*. Memoirs. Cambridge. 4°.

POURTALES, L. F. The Reef Corals. An Illustrated Catalogue. Vol. 2 (1871), p. 65-93. (1334)

NOTE.—"Bermuda specimens mentioned on p. 66, 71."—Verrill.

AGASSIZ, Louis. Report on the Florida Reefs. Accompanied by illustrations of Florida Corals. 4°. 23 plates. Edited by A. Agassiz. Explanation of plates and names of corals by L. F. Pourtales. Vol. 7 (no. 1, 1880). (1334a)

NOTE.—"The plates are remarkably good lithographs, mostly by Sonrel, and illustrate many of the species found at Bermuda (the figured specimen of *Oculina varicosa* is Bermudian), including also the very young of several species. It contains no descriptions."—Verrill.

Heilprin, Angelo, and others. The Bermuda Islands. Philadelphia, 1889. 8°.

STONE, Witmer. Bermuda Birds. p. 82-83. (1335)

Hughes, Rev. Lewis. A Letter sent into England from the Summer Islands, 1615. (1336)

Hughes, Rev. Lewis. Plaine and True Relation of the Goodness of God towards the Sommers Ilands. (1337)

Insect Life. Washington. 8°.

HASTINGS, Gen. Russell. The Broken-tail Snail in Bermuda; and Reply, by Leland Ossian HOWARD and C. V. RILEY. Vol. 4 (1892), p. 334. (1338)

Iowa, State University of—*Laboratories of Natural History*. Bulletin. Iowa City. 8°.

McMURRICH, James Playfair. Report on the Actinaria of the Bahama Expedition of 1893. Vol. 4 (1898), p. 225-249. 3 plates. (1339)

NOTE.—"Bermuda species discussed on p. 245."—Verrill.

Bermuda in Periodical Literature

Lefroy, Sir John Henry. Memorials of the Discovery and Early Settlement of the Bermudas or Somers Islands, 1515-1685. Compiled from the Colonial Records and Other Original Sources. 2 vols., roy. 8°. London, 1877-79. (1340)

NOTE.—This work contains reliable reprints of the early writings relating to Bermuda, by Oviedo, Henry May, Silvanus Jourdan, William Strachy, *Admiral* George Somers, *Governor* Richard Moore, *Rev.* Lewis Hughes, *Governor* Nathaniel Butler, Richard Norwood, *Captain* John Smith, and others. There is a facsimile of Norwood's map of 1626, vol. 1, at the end; and of his map of 1663 in vol. 2, p. 645. Governor Lefroy was heartily devoted to the interests of Bermuda and promoted its prosperity in many ways.

Lefroy, Sir John Henry. Remarks on the Chemical Analyses of Samples from Bermuda. Addressed to the Board of Agriculture. [ii.] + 46 pp., 8°. Hamilton, 1873. (1341)

NOTE.—With introductory remarks on climate and a meteorological table, p. i.-ii.

Linnean Society. Transactions. London. 8°.

DUERDEN, J. E. On the Actinian *Bunodiopsis globulifera* Verrill. Vol. 8 (pt. 9, 1902), p. 297-317. *Plates* XXV., XXVI. (1342)

NOTE.—"Contains full anatomical and histological details of this Bermuda species."—*Verrill*.

Lyell, Sir Charles. Manual of Elementary Geology. 4th edition. New York, 1853. (1343)

NOTE.—"References to Bermuda are on pp. 78, 216; figure of North Rocks, by Lieut. Nelson (fig. 98), is on p. 78."—*Verrill*.

McCook, Henry Christopher. American Spiders and their Spinning Work. Philadelphia, 1889-94. 3 vols., 8°. (1344)

NOTE.—Contains numerous cuts and colored plates.

Marsden, Joshua. Narrative of a Mission to Nova Scotia, New Brunswick, and the Somers Islands, in 1808. Plymouth Dock, 1816. 8°. (1345)

NOTE.—A second edition was published at London in 1827.

Moore, Albert Hanford. A List of Plants collected in Bermuda in 1905. Including a Description of Two New Species. Cambridge, Mass., 1905. [ii.] + 22 pp. and cover-title. 3 *plates*. (1346)

NOTE.—Issued March 12, 1906. The collection here recorded was made in July and the first week of August, 1905, and comprises about 326 species, of which 55 were not recorded from Bermuda in Hemsley's Report of the Challenger Expedition. Eleven of the species recorded are Endemic in Bermuda, two of them being here described for the first time, viz.: *Rhynchospora domingensis*, p. 6, *plates* 1. and 11.; and *Elæodendron Laneanum*, p. 13-14, *plate* 111.

Bermuda in Periodical Literature

National Academy of Science. Memoirs.

DUERDEN, J. E. West Indian Madreporarian Polyps.
Vol. 8 (no. 7, 1902), 196 pp. 25 plates. (1347)

NOTE.—"This is the most important work hitherto published on the anatomy and histology of the soft parts of reef corals, including their relations to the corallum. More or less of the embryology of several species is also given. About 26 species were studied, including 10 that occur at Bermuda."—Verrill.

New York Academy of Sciences. Annals. New York. 8°.

McMURRICH, James Playfair. Notes on some Actinians from the Bahama Islands collected by the late Dr. J. J. Northrop. Vol. 9 (no. 4, July, 1896), p. 181-194. (1348)

NOTE.—See No. 507. "Bermuda species discussed on pp. 186, 190."—Verrill.

New York Botanical Garden. Bulletin. New York. 8°.

FOSLIE, Mikal, and HOWE, Marshall Avery. New American Coralline Algæ. Vol. 4 (no. 13, March 17, 1906), p. 128-136. 14 plates (80-93). (1349)

NOTE.—Includes description and illustrations of *Lithophyllum bermudense*, sp. nov.

BRITTON, Nathaniel Lord. Bermuda in September. Vol. 6 (no. —, October 19, 1905), p. 153-158. (1349a)

NOTE.—"Bermuda in September. N. Y. Evening Post. 30 S 1905. Unsigned interview with Dr. N. L. Britton."—Marshall A. Howe.

New York Herald. New York. folio.

LOTUS Life in Hamilton, Bermuda. March 26, 1905, p. 7. 4 illustrations. (1349b)

New York Zoölogical Society. Annual Reports. New York. 8°.

TOWNSEND, Charles Haskins. Report of the Director of the Aquarium. Sea Fishes from the Bermuda Islands which have lived for Long Periods at the New York Aquarium, in Water ranging in Density from 1.116 down to 1.015. Ninth Report (1905), p. 101. (1349c)

NOTE.—A list of 13 species is given with periods ranging from 7 to 3 years. The "List of Fishes and other Aquatic Vertebrates exhibited Alive at the New York Aquarium during the Year 1904" is given on p. 120-121, a list of 45 species of "Tropical Fishes from the Bermuda Islands" giving both their popular and scientific names. On p. 132, 133 is given a list of Tropical Fishes purchased from Bermuda.

Bermuda in Periodical Literature

- TOWNSEND, Charles Haskins. Report of the Director of the Aquarium. Tenth Report (1906), v. p. (1349*d*)
- NOTE.—This report contains excellent figures of Bermuda Fishes reproduced from photographs of living fishes: Coney, p. 5; Queen Trigger-fish, p. 8; radiograph of Butterfly-fish, p. 19; and Surgeon-fish, p. 20. The death of the great Green Moray, *Lycodontis funebris*, which had been kept nearly 6 years, is mentioned on p. 5. It was 6 feet long and weighed 40 pounds. See also *Zoölogical Society Bulletin*.
- Ogilvy, John, *M.D.* An Account of Bermuda, Past and Present. Hamilton, Bermuda, 1883. 8°. 64 pp. (1350)
- NOTE.—“Contains valuable matter relating to history, religion, education, climate, diseases, etc., especially yellow fever. Dr. Ogilvy was Surgeon-General of the post.”—*Verrill*.
- Philadelphia—*International Exposition* (1876).
- BERMUDA. Drawn up by Order of the Local Committee of the Colony. Philadelphia, 1876. 8°. 8 pp. and cover-title. (1351)
- NOTE.—Subjects treated: Natural Beauty, p. 1;—Climate (with Comparative Table), p. 3-4; Salubrity; Situation; Dimensions; Discovery and Settlement; Constitution, p. 5;—Geological Formation and Soil, p. 5-6; Animal Kingdom, p. 6;—Vegetable Kingdom, p. 6-7; Topography; Boats and Boatmen, p. 7;—Population, p. 7-8.
- Psyche. Cambridge, Mass.
- JOHNSON, Chas. W. A Revised List of the Diptera of Bermuda. p. 76-80. August, 1904. (1351*a*)
- NOTE.—“Twenty species are added to the fauna.”—*Verrill*.
- Royal Gazette. Bermuda Commercial and General Advertiser and Recorder. Hamilton, Bermuda. folio.
- FEEDING Living Coral at Aquarium. March 17, 1903, p. 1, col. 3. (1352)
- NOTE.—An extract from the *New York Times*.
- CONCERNING a Marine Biological Station at Bermuda. March 17, 1903, p. 2, col. 1. (1353)
- NOTE.—Editorial announcing the acceptance by Professors Bristol and Mark of the invitation of the Bermuda Natural History Society for them to visit Bermuda and confer in regard to the establishment of the proposed Marine Biological Station. “Dr. Bristol’s views with regard to the value and possibilities of a Scientific Station at Bermuda are well known. Dr. Mark has, however, only recently come to look upon Bermuda as *the* place. He is not, perhaps, the first of Dr. Bristol’s converts, but he is likely to prove a most powerful auxiliary in furthering the scheme. Since Christmas last, when he gave his final adherence to the proposal, he has been putting forth every effort, and has already begun to create an interest among British zoölogists in the immense possibilities latent in a thoroughly well equipped station at Bermuda.”

Bermuda in Periodical Literature

Royal Gazette. (Continued.)

BIOLOGICAL STATION at Bermuda, A. May 23, 1903, supplement, p. 2, col. 1. (1354)

NOTE.—A quotation from *Science* for May 1, 1903. "The well-known richness of the sub-tropical fauna and flora, the healthfulness and equable temperature of the islands, and the ease with which they may be reached, combine to make the Bermudas a most attractive field for biological research."

BERMUDA Biological Station. October 13, 1903, p. 2, col. 1. (1355)

NOTE.—Letters from the Director and members of the Station to the President and members of the Bermuda Natural History Society.

McCALLAN, Claude W. Of the Need for a History of Bermuda. October 13, 1903, p. 2, col. 2. (1356)

NOTE.—A letter to the Editor in which the finding of "a copy of a paper published by a Mr. Beach in the year 1817 styled 'The Ladies' Journal' suggests the necessity of obtaining and preserving the past history of the island.

CLARK, J. C. L. Captain Richard Falconer on Bermuda. Nov. 28, 1905. (1356a)

NOTE.—A two column abstract from the rare work "The voyages, dangerous adventures, and eminent escapes of Capt. Richard Falconer, written by himself, 1720." The work is partly fiction, partly compiled from early writers, with many errors.

Royal Dublin Society. Scientific Transactions. Dublin. 8°.

DUERDEN, J. E. Jamaican Actinaria. Part I., Zoantheæ. Vol. 6, 2d series (1898), p. 329-376. *plates* XVIII.-XX. (with anatomy). Part II. Vol. 7, series 2 (1900), p. 133-208. *plates* X.-XV. (1357)

NOTE.—"References to Bermuda specimens at p. 340, 341, 343, 350, 353, and 368."—Verrill.

HADDON, Alfred Cort, and SHACKLETON, Miss Alice M. Revision of the British Actiniæ. Part II.; the Zoantheæ. Vol. 4, 2d series (1891), p. 609-672. 3 *plates*. (1358)

HADDON, Alfred Cort, and SHACKLETON, Miss Alice M. Reports on the Zoölogical Collections in Torres Straits by Prof. A. C. Haddon; 1888-1889. Actiniæ. I. Zoantheæ. Vol. 4, 2d series (1891), p. 673-701. *plates* LXI.-LXIV. (1359)

NOTE.—"Discusses species from Bermuda, viz. p. 683, *Isaurus tuberculatus*; p. 687, *Gemmaria riisei* (as *Rusei*); p. 692, *Corticifera lutea* Hertwig and *C. glareola* McMurrich."—Verrill.

Royal Physical Society of Edinburgh. Proceedings. Edinburgh. 8°.

BEDDARD, Frank Evers. The Classification and Distribution of Earthworms. Vol. 10 (1894), p. 235-290. (1360)

Bermuda in Periodical Literature

NOTE.—“*Perichata aspergillum* Perrier, erroneously referred, and *Onychochata Windlei*, p. 269.”—Verrill.

Saunders, William. Insects Injurious to Fruits. Philadelphia, 1883. 8°. (1361)

NOTE.—“Mr. Saunders states, p. 391, that [the purple scale, *Mytilaspis citricola* Pack., a destructive pest of the orange and lemon trees] is supposed to have been brought to Florida from Bermuda on lemon plants.”—Verrill.

Science. A Weekly Journal devoted to the Advancement of Science. New York. 8°.

MARK, Edward Laurens. Asymmetron lucayanum in Bermuda. Vol. 20 (no. 501, August 5, 1904), p. 179. (1361a)

NOTE.—“Besides establishing the fact that *Amphioxus caribæus*—known since 1876 to exist at the Flatts—is found in numerous localities in these islands, the work of the station this year has resulted in the discovery that another representative of this very interesting group of Chordates—*Asymmetron lucayanum*—is also found in these waters. Especial credit for the discovery of this more rare animal is due to Mr. Louis L. Mowbray, a young Bermudian naturalist in the employ of the station.”

Société d'Études Scientifiques de Paris. Bulletin. Paris. 8°.

DOLLFUS, A. [Isopoda of the Challenger Expedition.] Vol. 12 (1890), p. 1-8. plate 1. (1362)

Stark, James H. Stark's Illustrated Bermuda Guide. Boston, 1897. 12°. 157 pp. 46 illustrations and 1 map. (1363)

NOTE.—“A large part of the descriptive and historical matter, including the geology, is reprinted from Jones' *Visitor's Guide*, 1876, without acknowledgment. It is, therefore, rather antiquated.”—Verrill.

Torino, Real Accademie delle Scienze di. Mémoire. Torino. 4°.

DUCHASSAING DE FONBRESSIN, P., and MICHELOTTI, Giovanni. Mémoire sur les Coralliaires des Antilles. Vol. 19, 2d series (1860), 89 pp. 10 plates. Supplement. Vol. 23, 2d series (1866), 112 pp. 11 plates. (1364)

Note.—“*Oculina Bermudensis* described.”—Verrill.

Torrey Botanical Club. Bulletin. New York. 8°.

HOWE, Marshall Avery. Phycological Studies.—II. New Chlorophyceæ, New Rhodophyceæ and Miscellaneous Notes. Some New Species from Bermuda. Vol. 32 (December 6, 1905), p. 563-586. 7 plates (23-29). (1365)

NOTE.—Among the new species described and illustrated is a new seaweed, *Dudresnaya crassa*, from Bermuda, p. 572-574, plate 28. Also issued separately, with cover-title, as *Contributions to The New York Botanical Garden*, No. 72.

Bermuda in Periodical Literature

Torrey Botanical Club. (*Continued.*)

EVANS, Alexander William. The Hepaticæ of Bermuda. Vol. 33 (April 7, 1906), p. 129-135. 1 plate (6). (1366)

NOTE.—A list of 23 species, of which 15 are added to the flora, including one new species, *Crossotolejeunea bermudiana*.

Travel Magazine. New York. 4°:

CROCKER, Percy K. Bermuda the Winter Haven of Lovers of the Sea. Vol. 12 (no. 6, March, 1907), p. 223-225. 12 illustrations. (1366a)

United States — Agriculture, Department of — Bureau of Entomology.

BANKS, Nathan. A Revision of the Tyroglyphidæ of the United States. Technical series (no. 13, Nov., 1906). (1367)

NOTE.—"On p. 21 the lily mite of Bermuda is described, and figured on pl. 5, fig. 49 (*Rhizoglyphus hyacinthi*)."
—Verrill.

United States — Fish and Fisheries, Commission of. Bulletin. Washington. roy. 8°.

HARGITT, Charles Wesley, and ROGERS, Charles G. The Alcyonaria of Porto Rico. 1900 (Dec., 1901), p. 265-287. 4 plates and with cuts in text. (1368)

NOTE.—"Contains a useful analytical table of the families and genera of the Alcyonaria. Also figures and descriptions of several Bermuda species."—Verrill.

DUERDEN, J. E. Report on the Actinians of Porto Rico. Vol. 20, for 1900 (part 2, 1902), p. 321-374. 12 plates. (1369)

NOTE.—"Bermuda specimens discussed on pp. 346, 356, 358, 370."—Verrill.

United States — National Museum. Proceedings. Washington. 8°.

BENEDICT, James E., and RATHBUN, Mary Jane. The Genus *Panopeus*. Vol. 14 (no. 858, 1891), p. 355-385. 6 plates. (1369a)

NOTE.—"A Bermuda species described as new, *P. Bermudensis*."—Verrill.

McMURRICH, James Playfair. Scientific Results of an Expedition by the United States Fish Commission Steamer *Albatross*. Report on the Actiniae collected by the United States Fish Commission Steamer *Albatross* in 1887-1888. Vol. 16 (1893), p. 119-216. (1370)

NOTE.—"A Bermuda species is renamed on p. 197 (*Cradactis fasciculata*), since changed."—Verrill.

HINDS, Warren E. Contributions to a Monograph, Thysanoptera of North America. Vol. 26 (1902), p. 79-242. plates I.-XI. (1371)

Bermuda in Periodical Literature

NOTE.—"Contains detailed description, synonymy, and figures of Onion Thrips (p. 179-184, pl. vii., figs. 66-71)." —Verrill.

RATHBUN, Mary Jane. The Genus *Callinectes*. Vol. 18 (no. 1070, 1896), p. 349-375. 17 plates. (1372)

NOTE.—"Several Bermuda species recorded." —Verrill.

Williams, William Frith. An Historical and Statistical Account of the Bermudas, from their Discovery to the Present Time. London, 1848. 8°. (1373)

Zeitschrift für Wissenschaftliche Zoölogie. Leipzig. 8°.

BEDDARD, Frank Evers. Ude-Beitrage zur Kenntniss ausländischer Regen-würmer. Vol. 43 (1892), p. 57-75. (1374)

NOTE.—"*Eudrilus erudiens* (= *E. Eugenia* Kinberg)." —Verrill.

Zoological Society Bulletin. New York. 8°.

BRISTOL, Charles Lawrence. Bermuda Fishes. How They are Brought to the Aquarium. No. 9, April, 1903, p. 77-79. 5 illustrations. (1375)

NOTE.—With five illustrations from photographs of the Spiny Lobster, Striped Grunt, Bermuda Grouper, Spotted Hind, and Trigger-Fish. "Tropical fishes were first shown in New York in the old Barnum Museum, at the corner of Broadway and Ann street, and they were brought there from Bermuda by one of the members of the New York Zoölogical Society, Mr. William E. Damon, whose story of his trials, crowned finally by success, sounds like the story of one of the labors of Hercules. They were advertised in the true Barnum style, and proved a great drawing-card, as they do to-day in the Aquarium at Battery Park."

LONGEVITY of Fishes at the Aquarium. No. 14, July, 1904, p. 163. (1376)

NOTE.—Several species from Bermuda are mentioned. "The collection of tropical fishes from Bermuda has been increased every summer. These beautifully colored strangers, which are viewed with great interest during the summer and autumn months, begin to die off with the approach of winter weather."

GILL, Theodore. Morays at the Aquarium. No. 15, October, 1904, p. 180-181. (1377)

NOTE.—Gives the writer's observations on the attitudes and postures of these remarkable fish, which are from the Bermudas. On p. 188 is given a list of the fishes received from those islands.

PHOTOGRAPHY at the Aquarium. No. 17, April, 1903, p. 206, 207. (1378)

NOTE.—This article is illustrated by 2 remarkably fine views of Bermuda fishes: Spotted Moray, p. 207; and Striped Moray, p. 211.

Bermuda in Periodical Literature

Zoological Society Bulletin. (*Continued.*)

TOWNSEND, Charles Haskins. Do Fishes Sleep?

No. 21, April, 1906, p. 272, 273. (1379)

NOTE.—Contains observations on several Bermuda fish. This number of the *Bulletin* contains the following figures of Bermuda fish from photographs: Yellow-fin Grouper, p. 273; Green Parrot Fish, p. 282; Bermuda Hog Fish, p. 284; and the Bermuda Yellow Tail, p. 284; also a view (p. 282) showing the style of tank used in shipping tropical fish from Bermuda.

TOWNSEND, Charles Haskins. How Fishes Change

Color. No. 21, April, 1906, p. 280. (1380)

NOTE.—This article refers to several species of Bermudian fish.

TOWNSEND, Charles Haskins, and Barbour, Thomas.

Description of a New Species of Sea-Horse from

Bermuda. No. 23, October, 1906, p. 304, 305.

1 illustration. (1381)

NOTE.—Describes and figures the *Hippocampus Kincaidi*.

Another fish, *Auchenopterus fajardo*, new to the fauna, is mentioned, and also a very large Jew-fish (400 lbs.), with a figure from a photograph.

Zoölogical Society of London. Proceedings. London. 80.

BEDDARD, Frank Evers. On the Species of the

Genus *Perichata*. (1894), p. 153-172. (1382)

NOTE.—“*P. Bermudensis* described on pp. 160-163. (= *Pheretima Hawayana* (Rosa) Mich.)”—Verrill.

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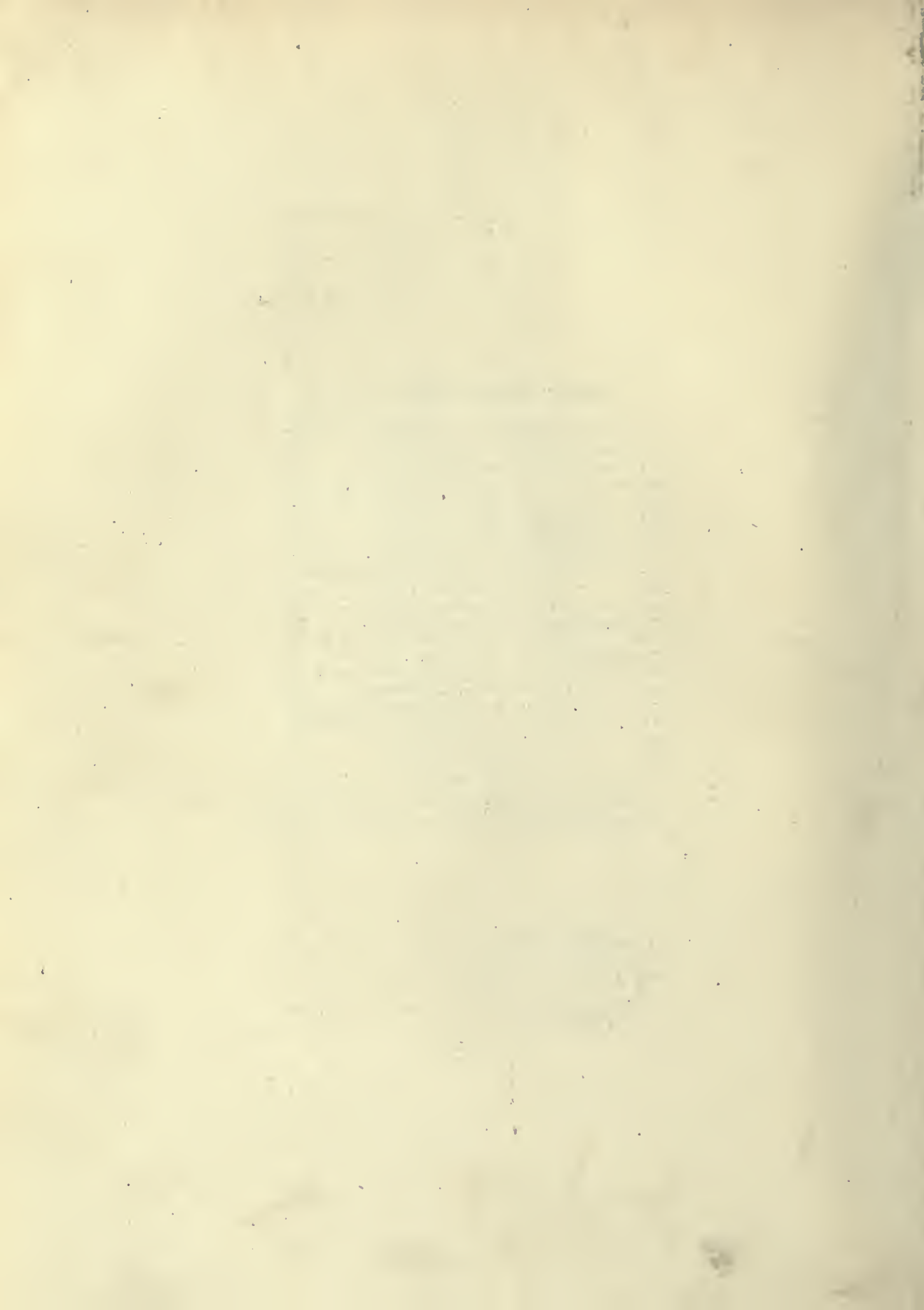
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BnB	Brooklyn, N. Y.	Brooklyn Library.
BnL	" "	Long Island Historical Society.
CH	Cambridge, Mass.	Harvard University.
HB	Hamilton, Ber.	Public Library.
JF	Jersey City, N. J.	Free Public Library.
PA	Philadelphia, Pa.	Academy of Natural Sciences.
PF	" "	Franklin Institute.
PaB	Paris, France.	Bibliothèque Nationale.
WL	Washington, D.C.	Library of Congress.
WP	" "	Public Library.
YA	New York, N. Y.	Astor Library.
YB	" " "	New York Botanical Garden.
YC	" " "	Columbia University.
YG	" " "	American Geographical Society.
YH	" " "	Am. Museum of Natural History.
YL	" " "	Lenox Library.
YM	" " "	Mercantile Library.
YN	" " "	Academy of Medicine.

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